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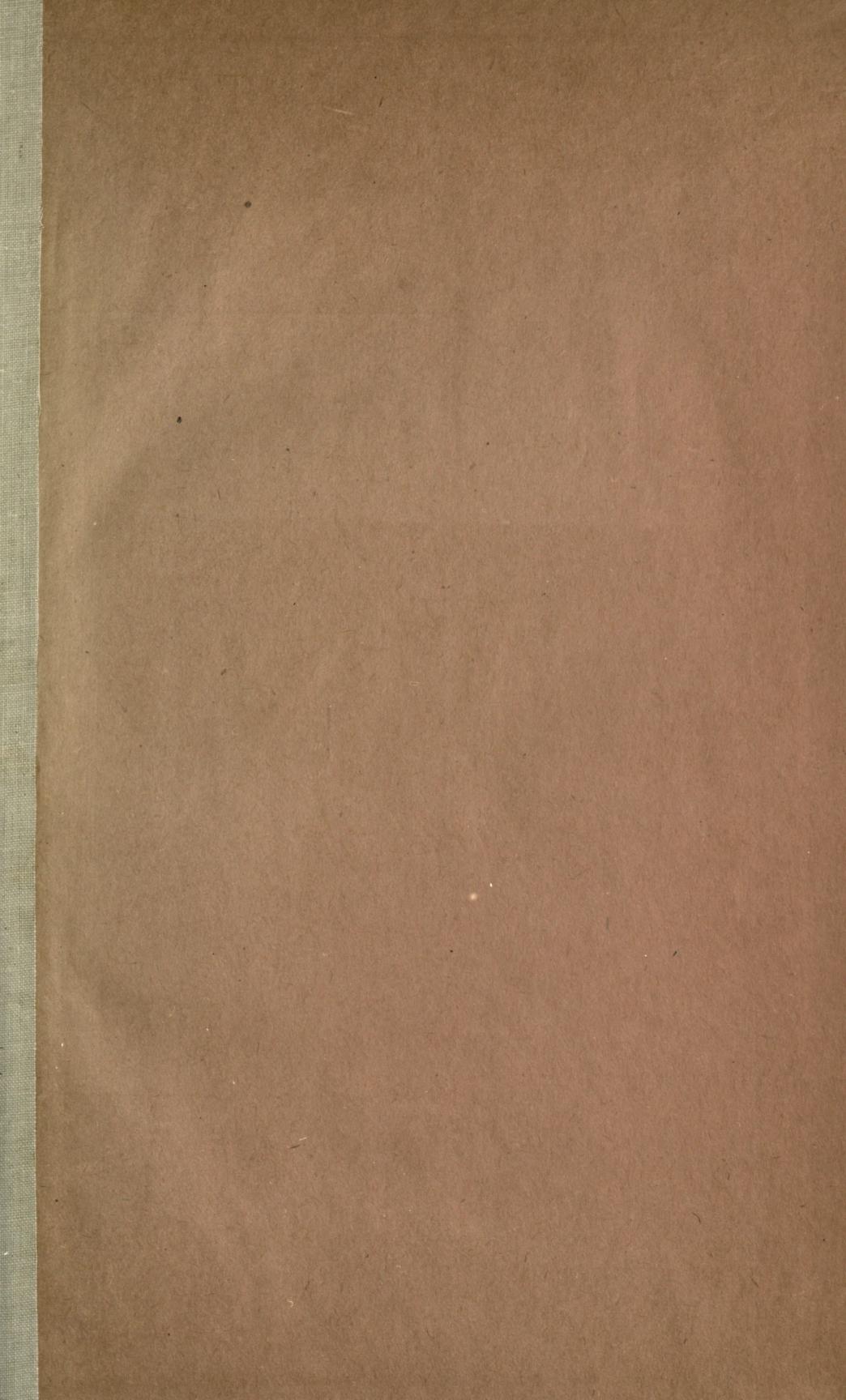


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With the Compiler's Compliments.

MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

EUROPE, AND THE ARCTIC AND NORTH ATLANTIC OCEANS,

WHICH ARE CONTAINED IN THE COLLECTION OF

THE REV. CANON A. M. NORMAN, M.A., D.C.L., F.L.S.

I.—ECHINODERMATA.

II.—PANTOPODA.

PRINTED FOR PRIVATE DISTRIBUTION.



MORTON, PRINTER, HOUGHTON-LE-SPRING.

January, 1886.



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PREFATORY NOTES.

THE collections to which these Catalogues refer is confined to the Fauna of Europe, together with that of the Arctic and North Atlantic Oceans, including the Seas connected with them.

The North Atlantic Ocean is here regarded as terminating towards the South at lat. 35° N.; or, at a line drawn from a little to the South of the Straits of Gibraltar on the Eastern, to about Cape Hatteras on the Western side. This boundary is adopted as perhaps the best to embrace the Arctic and Temperate regions, and, at the same time, to exclude the tropical animals of the Gulf of Mexico. The entire area of the Mediterranean is of course included.

These Catalogues are printed in order to make known to Curators of Museums and private Naturalists the present condition of my collection, and to invite exchange.

Opportunities of adding species, which are among my desiderata, either by exchange or purchase will, I hope, thus be afforded to me.

I shall be glad to send, in return for animals received, species either from the present or other classes of Invertebrata which may be preferred. Of course it will be understood that a Catalogue which embraces my entire collection necessarily includes a large number of forms of which there are no duplicates.

Letters should be addressed,—

BURNMOOR RECTORY,
FENCE HOUSES,
Co. DURHAM, ENGLAND.

1.—The Echinodermata are chiefly defective in N.E. American forms, especially the Holothuroidea. The Fauna of the Great Depths of the Atlantic is scarcely represented, while many Mediterranean and recently described Arctic species are also much wanted.

2.—I shall be especially obliged for examples of the Arctic, abyssal Atlantic, and other Pantopoda, which are absent in the present list.

January 11th, 1886.



MUSEUM NORMANIANUM.

I.—ECHINODERMATA.

Order I.—Crinoidea.

Rhizocrinus.

1 lofotensis, M. Sars.

Antedon.

2 Eschrichtii, M and T.

3 dentata Say, (=Sarsi D. & K.)

4 rosacea Linck.

5 phalangium, J. Müll.

5* celtica, Barrett.

Order II.—Ophiuroidea.

Ophiura.

6 lævis, Rond.

Ophioglypha.

7 Sarsi, Lütken.

8 signata, Verrill.

9 lacertosa, Linck.

10 carnea, M. Sars.

11 albida, Forbes.

12 affinis, Lütken.

13 robusta, Ayres.

14 aurantiaca, Verrill.

15 nodosa, Lütken.

16 Stuwitzii, Lütken.

Ophioceten.

17 sericeum, Forbes.

Ophiomusium.

18 Lymani, Wy. Thom.

Ophiotholis.

19 aculeata, Lin.

Ophiactis.

20 Ballii, Thompson.

21 virens, M. Sars.

22 abyssicola, M. Sars.

Amphiura.

23 elegans, Leach.

24 tenuispina, Ljungman.

25 Chiajei, Forbes.

26 Sundevalli, M. and T.

27 filiformis, Forbes.

28 borealis, G. O. Sars.

29 securigera, Düb. and Kor.

30 macilenta, Verrill.

Amphilepis.

31 norvegica, Ljungman.

Ophiocnida.

32 brachiata, Montagu.

33 olivacea, Lyman.

Ophiopsila.

34 annulosa, M. Sars.

35 aranea, Forbes.

Ophiocoma.

36 nigra, Abild.

Ophiacantha.

37 bidentata, Retz.

38 millespina, Verrill.

39 spectabilis, G. O. Sars.

40 anomala, G. O. Sars.

41 setosa, M. and T.

42 abyssicola, G. O. Sars.

Ophiolebes.

43 claviger, Ljungman.

Ophiothrix.

44 fragilis, Abild.

45 Lütkeni, Lyman.

46 pentaphyllum, Penn.

Ophioscolex.

47 glacialis, M. and T.

48 purpureus, Düb. and Kor.

- Ophiobyrsa.**
49 hystricis, Lyman; (an arm only.)
- Ophiomyxa.**
50 pentagona, Lamarck.
- Gorgonocephalus.**
51 Lamarckii, Lyman.
52 eucnemis, M. and T.
53 Agassizii, Stimpson.
54 Lincki, D. and K.
- Astrochele.**
55 Lymani, Verrill.
- Asteronyx.**
56 Lovéni, Müll and Tr.
- Order III.—Asteroidea.**
- Luidia.**
57 ciliaris, Phil. (=Savignii, Aud.)
58 Sarsii, Düb. and Kor.
- Ctenodiscus.**
59 crispatus, Retz.
- Archaster.**
60 Parelii, Düb. and Kor.
61 bifrons, Wyv. Thom.
62 tenuispinus, Dan. and Kor.
63 americanus, Verrill.
64 Agassizii, Verrill.
65 Floræ, Verrill.
66 arcticus, M. Sars.
- Porcellanaster.**
67 cæruleus, Wyv. Thom.
- Astropecten.**
68 irregularis, Linck.
69 acicularis, Norman.
70 andromeda, M. and T.
71 aurantiacus, Gray.
72 bispinosus, M. and T.
73 pentacanthus, M. and T.
74 platyacanthus, M. and T.
75 subinermis, M. and T.
- Odontaster.**
76 hispidus, Verrill.
- Pteraster.**
77 militaris, O. F. Müll.
78 pulvillus, M. Sars.
- Diploteraster.**
79 multipes, M. Sars.
- Asterina.**
80 gibbosa, Pennant.
81 Pancerii, Gasco.

- Asteropsis.**
82 capreensis, Gasco.
- Chætaster.**
83 longipes, M. and T.
- Ophidiaster.**
84 ophidianus, Lamk.
85 Lessonæ, Gasco.
- Asterias.**
86 rubens, Lin.
87 violacea, O. F. Müll.
88 hispida, Forbes.
89 Forbesii, Desor.
90 vulgaris, Stimpson.
91 stellionura, Perrier.
92 glacialis, Müller.
93 Müllerii, M. Sars.
94 Linckii, M. and T.
95 grønlandica, Steens.
96 polaris, M. and T.
- Leptasterias.**
97 compta, Verrill.
- Porania.**
98 pulvillus, Müller.
99 grandis, Verrill.
- Palmpipes.**
100 membranaceus, Retz.
- Hippasteria.**
101 plana, Linck.
- Pentagonaster.**
102 granularis, O. F. Müll.
103 hispidus, M. Sars.
- Solaster.**
104 papposus, Linck.
105 furcifer, Düb. and Kor.
106 endeca, Gmelin.
- Pedicellaster.**
107 typicus, M. Sars (= A. palæocrystallinus, D. and S.)
- Cribrella.**
108 sanguinolenta, Müll.
- Stichaster.**
109 roseus, O. F. Müll.
110 albulus, Stimpson (=problema Stimp.)
- Echinaster.**
111 sepositus, Retz.
- Order IV.—Echinoidea.**
- Dorocidaris.**
112 papillata, Leske.

Arbacia.

- 113 punctulata, Gray.
 114 pustulata, Gray.
Centrostephanus.
 115 longispinus, Pet.
Asthenosoma.
 116 hystrix, Wy. Thom.
Strongylocentrotus.
 117 dröbachiensis, Müll.
 118 pictus, Norman.
 119 lividus, Lamarck.
Sphærechinus.
 120 granularis, Lamarck.
Echinus.
 121 esculentus, Lin.
 122 acutus, Lamarck.
 123 melo, Lamarck.
 124 microstoma, Wyv. Thom.
 125 elegans, Düb. and Kor.
 126 gracilis, A. Agass.
 127 microtuberculatus, Bl.
 128 miliaris, Müll.
 129 norvegicus, Düb. and Kor.
Echinocymus.
 130 pusillus, Müll.
Echinanthus.
 131 rosaceus, Lin.
Echinarachnius.
 132 parma, Lamarck.
Mellita.
 133 testudinata, Klein.
Pourtalesia.
 134 phiale, Wy. Thomson.
Spatangus.
 135 purpureus, Leske.
 135* Raschi Lovén.
Echinocardium.
 136 cordatum, Pennant.
 137 flavescens, Müll.
 138 mediterraneum, Forbes.
 139 pennatifidum, Norman.
Brissopsis.
 140 lyrifera, L. Agass.
Aerope.
 141 rostrata, Wyv. Thom.
Brissus.
 142 unicolor, Klein.
Schizaster.
 143 canalifer, L. Agass.
 144 fragilis, L. Agass.

Moira.

- 145 atropos, A. Agass.

Order V.—Holothuroidea.**Cucumaria.**

- 146 cucumis, Risso.
 147 syracusana, Grube.
 148 tergestina, M. Sars.
 149 doliolum, Pallas.
 150 lactea, Forbes.
 151 Montagui, Fleming.
 152 frondosa, Gunner.
 153 brunnea, Forbes.
 154 Hyndmanni, Forbes.
 155 calcigera, L. Agass.
 156 minuta, Fabr.
 157 elongata, Düb. and Kor.
 158 Koellikeri, Semper.

Orcula.

- 159 Barthii, Troschel.

Echinocucumis.

- 160 hispida, Barratt, (=typica, M. Sars.)

Thyonidium.

- 161 hyalinum, Forbes.
 162 productum, Norman.
 163 commune, Forbes and Good.
 164 Dübeni, Norman.

Thyone.

- 165 fusus, Müller.
 166 raphanus, Düb. and Kor.
 167 aurantiaca, Costa.
 168 briareus, Selenka.

Phyllophorus.

- 169 urna, Grube.
 170 granulatus, Grube.

Psolus.

- 171 phantapus, Strussensf.

Lophothuria.

- 172 Fabricii, Düb. and Kor.
 173 squamata, Koren.

Holothuria.

- 174 tremula, Gunner.
 175 intestinalis, Ascanius.
 176 Polii, Del Ch.
 177 impatiens, Forskal.
 178 Stellati, Del Ch.
 179 tubulosa, Gmel.
 180 Sanctori Del. Ch.

Stichopus.

- 181 regalis, Cuv.
 182 natans, M. Sars.

	Trochostoma.
183	boreale, M. Sars.
	Ankyroderma.
184	Jeffreysii, Dan and Kor.
	Trochoderma.
185	elegans, Theel.
	Chirodota.
186	lævis, Fab.
	Myriotrochus.
187	Rinkii, Steens.
188	brevis, Huxley, (=Oligotrochus vitreus, M. Sars.)

	Synapta.
189	digitata, Montagu.
190	inhærens, Müll.
191	tenera, Norman.
	Leptosynapta.
192	Girardii, Verrill.
	Elpidia.
193	glacialis, Theel.
	Lætmogone.
194	violacea, Theel.

II.—PANTOPODA.

(=PYCNOGONOIDEA).

Nymphon.

1	hirtum, Kröyer.
2	hirtipes, Bell.
3	Strömii, Kröyer.
4	grossipes, O. Fab.
5	robustum, Bell (=abyssorum, Norman)
6	longitarse, Kröyer.
7	gracile, Leach.
8	gallicum, Hoek.
9	brevirostre, Hodge.
10	macronyx, G. O. Sars.

Pallene.

11	intermedia, Kröyer.
12	emaciata, Dohrn.
13	spectrum, Dohrn.
14	tiberi, Dohrn.

Neopallene.

15	campanellæ, Dohrn.
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Barana.

16	castelli, Dohrn.
17	arenicola, Dohrn.

Ammothoa.

18	longipes, Hodge.
19	echinata, Hodge, (=fibulifera, Dohrn.).
20	franciscana, Dohrn.

Ammothoa.—(continued.)

21	Langi, Dohrn.
22	appendiculata, Dohrn.

Tragæus.

23	communis, Dohrn.
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Rhyncothorax.

24	mediterraneus, Dohrn.
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Clotenia.

25	conirostris, Dohrn.
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Phoxichilidium.

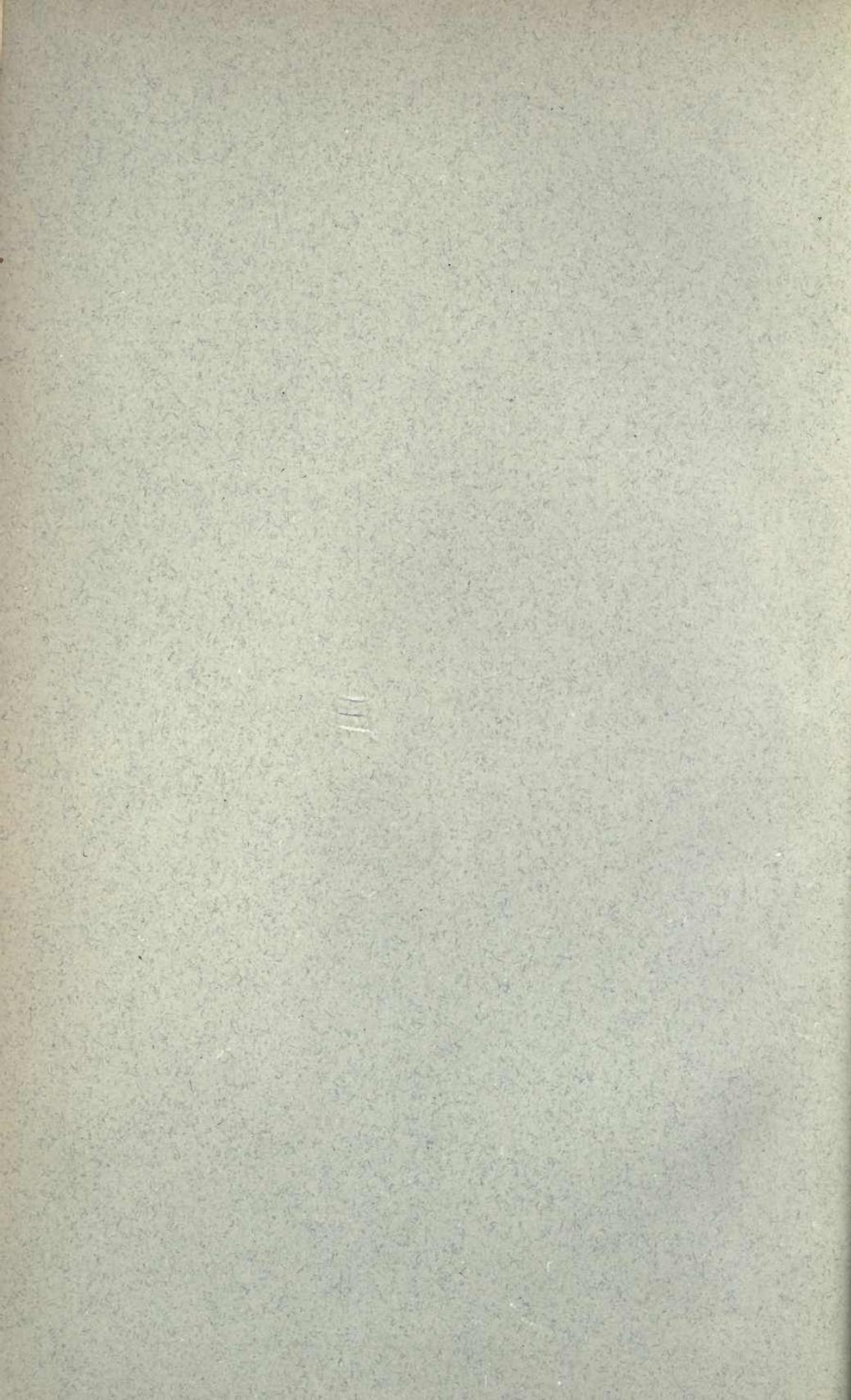
26	femoratum, Rathke.
27	minor, Wilson.
28	virescens, Hodge.
29	longicolle, Dohrn.
30	exiguum, Dohrn.
31	angulatum, Dohrn.
32	robustum, Dohrn.

Phoxichilus.

33	spinosis, Montagu.
34	vulgaris, Dohrn.
35	carybdæus, Dohrn.

Pycnogonum.

36	littorale, Ström.
37	pusillum, Dohrn.



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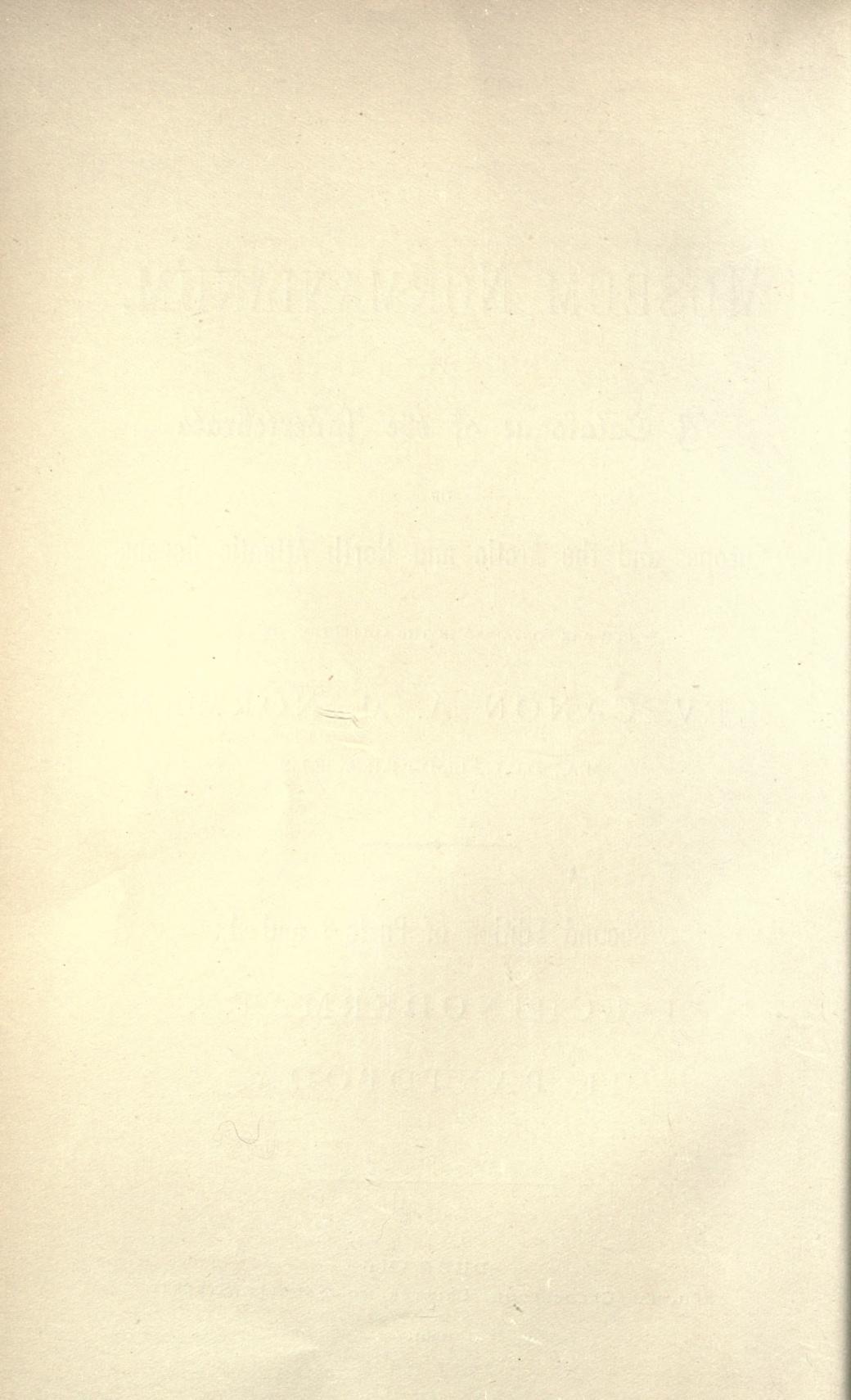
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I.—ECHINODERMATA.

(SECOND EDITION).

Sub-Class I.—*Crinoidea*.

- Rhizocrinus, M. Sars.
1 lofotensis, M. Sars.
Isocrinus, Von Mayer.
2 decorus, Wyv. Thom.
3 Müller, Oersted.
4 Wyville-Thomsoni, Jeffreys.
Antedon, Frémiville.
5 Eschrichtii, M. and T.
6 quadrata, Carp.
7 tenella, Retz.
=A. Sarsii, Düb. and Kor.
8 rosacea, Linck.
9 phalangium, T. Müll.
10 celtica, Barrett.

Sub-Class II.—*Ophiuroidae*.

- Ophioderma, Müller and Troschel.
11 longicauda, M. and T.
=lævis, Lyman.
Ophioleura, Danielssen.
12 borealis, Dan.
Ophiura, Lamarck.
13 Sarsii, Lütken.
14 signata, Verrill.
15 lacertosa, Pennant.
16 albida, Forbes.
17 signata, Verrill.
18 carnea, M. Sars.
19 convexa, Lyman.
20 lepida, Lyman.
21 var. spinulosa, Verrill.
22 confragosa, Lyman.
23 robusta, Ayres.

Ophiura, Lamarck.—continued.

- 24 aurantiaca, Verrill.
25 nodoso, Lütken.
26 Stuwitzii, Lütken.
27 gracilis, G. O. Sars.
28 affinis, Lütken.
Ophiocten, Lütken.
29 sericeum, Lütken.
Ophiomusium, Lyman.
30 Lymani, Wyv. Thom.
31 armigerum, Lyman.
Ophioconis, Lütken.
32 Forbesii, Heller.
Ophiopholis, Müller and Troschel.
33 aculeata, Linné.
Ophiactis, Lütken.
34 Ballii, Thompson.
35 virens, M. Sars.
36 abyssicola, M. Sars.
Amphiura, Forbes.
37 elegans, Leach.
38 tenuispina, Ljungman.
39 filiformis, O. F. Müll.
40 Chiaiei, Forbes.
41 Sundevalli, Müll. and Tros.
42 macilenta, Verrill.
43 Otteri, Ljungman.
Ophiopelta, Düb. and Kor.
44 securigera, Düb. and Kor.
45 borealis, G. O. Sars.
Amphilepis, Ljungman.
46 norvegica, Ljungnan.
Ophiocnida, Lyman.
47 brachiata, Montagu.

- Ophiocnida, Lyman.**—continued.
- 48 *olivacea*, Lyman.
Ophiopus, Ljungman.
 49 *arcticus*, Ljungman.
Ophiopsila, Forbes.
 50 *aranea*, Forbes.
 51 *annulosa*, M. Sars.
Ophiocoma, L. Agassiz.
 52 *nigra*, Abildgaard.
Ophiacantha, Müll. and Trosch.
 53 *bidentata*, Retz.
 54 *setosa*, Retz.
 55 *spectabilis*, G. O. Sars.
 56 *abyssicola*, G. O. Sars.
 57 *anomala*, G. O. Sars.
 58 *millespina*, Verrill.
Ophiolebes, Lyman.
 59 *claviger*, Ljungman.
Ophiothrix, Müll. and Trosch.
 60 *fragilis*, Abildgaard.
 61 *pentaphyllum*, Pennant.
 62 *Lütkeni*, Wyv. Thom.
 63 *alopecurus*, Müll. and Tros.
 64 *echinata*, Delle Chiaje.
Ophioscolex, Müller and Troschel.
 65 *glacialis*, Müll. and Tros.
 66 *purpureus*, Düb. and Kor.
Ophiobyrsa, Lyman.
 67 *hystricis*, Lyman (an arm only).
Ophiomyxa, Müller and Troschel.
 68 *pentagona*, Müll. and Tros.
Gorgonocephalus, Leach.
 69 *Lamarckii*, Müll. and Tros.
 70 *eucnemis*, Müll. and Tros.
 71 *Agassizii*, Stimpson.
 72 *Linckii*, Müll. and Tros.
Astrochele, Verrill.
 73 *Lymani*, Verrill.
Astronyx, Müller and Troschel.
 74 *Loveni*, Müll. and Tros.
- Sub-Class III.—Asteroidea.*
- Pontaster, Sladen.**
 75 *tenuispinus*, Düb. and Kor.
Ditaster, Sladen.
 76 *grandis*, Verrill.
Plutonaster, Sladen.
 77 *bifrons*, Wyv. Thom.
 78 *Agassizii*, Verrill.
 79 *subinermis*, Philippi.

- Plutonaster, Sladen.**—continued.
- 80 *Parelii*, Düb. and Kor.
Archaster, Müller and Troschel.
 81 *americanus*, Verrill.
 82 *floræ*, Verrill.
Benthopecten, Verrill.
 83 *spinosus*, Verrill.
Odontaster, Verrill.
 84 *hispidus*, Verrill.
Porcellanaster, Wyville Thomson.
 85 *cæruleus*, Wyv. Thom.
Ctenodiscus, Müller and Troschel.
 86 *crispatus*, Retz.
Leptoptychaster, Smith.
 87 *arcticus*, M. Sars.
Astropecten, Linck.
 88 *articulatus*, Say.
 89 *aurantiacus*, Linné.
 90 *bispinosus*, Otto.
 91 *irregularis*, Linck.
 92 *pentacanthus*, Del. Chi.
 93 *platyacanthus*, Phil.
 94 *Jonstoni*, Delle Chiaje.
 95 *spinulosus*, Phil.
 96 *acicularis*, Norman.
Psilaster, Sladen.
 97 *andromeda*, Müll. and Tros.
Bathybiaster, Dan. and Koren.
 98 *pallidus*, Dan. and Kor.
Luidia, Forbes.
 99 *ciliaris*, Phil.
 100 *Sarsi*, Düb. and Kor.
 101 *clathrata*, Say.
 102 *elegans*, Perrier.
Pentagonaster, Linck.
 103 *granularis*, Retz.
 104 *placenta*, Müll. and Tros.
Nymphaster, Sladen.
 105 *subspinosus*, Perrier.
 = *protentus*, Sladen.
Anthenia, Gray.
 106 *nidrosiensis*, Storm.
Goniaster, Agassiz.
 107 *phrygianus*, Parelius.
Tylaster, Dan. and Koren.
 108 *Willei*, Dan. and Kor.
Porania, Gray.
 109 *pulvillus*, O. F. Müll.
 110 *grandis*, Verrill.

	Marginaster , Perrier.
111	capreensis, Gasco.
	Rhegaster , Sladen.
112	tumidus, Stuxberg.
113	var. <i>tuberculatus</i> , Dan. and Kor.
	Poraniomorpha , Dan. and Kor.
114	<i>spinulosa</i> , Verrill.
	Lasiaster , Sladen.
115	<i>hispidus</i> , M. Sars.
	Asterina , Nardo.
116	<i>gibbosa</i> , Pennant.
117	var. <i>Pancerii</i> , Gasco.
	Palmpipes , Linck.
118	<i>placenta</i> , Pennant.
	Chætaster , Müller and Troschel.
119	<i>longipes</i> , Retzius.
	Hacelia , Gray.
120	<i>attenuata</i> , Gray.
	Ophidiaster , L. Agassiz.
121	<i>ophidianus</i> , Lamarck.
122	<i>Lessonæ</i> , Gasco.
	Zoroaster , Wyville Thomson.
123	<i>diomedæa</i> , Verrill.
	Stichaster , Müller and Troschel.
124	<i>roseus</i> , O. F. Müll.
125	<i>albulus</i> , Stimpson.
	Crossaster , Müller and Troschel.
126	<i>papposus</i> , Fabricius.
127	<i>affinis</i> , Brandt.
	Solaster , Forbes.
128	<i>endeca</i> , Linné.
	Lophaster , Verrill.
129	<i>furcifer</i> , Düb. and Kor.
	Pteraster , Müller and Troschel.
130	<i>militaris</i> , O. F. Müll.
131	<i>pulvillus</i> , M. Sars.
	Retaster , Perrier.
132	<i>multipes</i> , M. Sars.
	Hymenaster , Wyville Thomson.
133	<i>pellucidus</i> , Wyv. Thom.
	Cribrella , L. Agassiz.
134	<i>sanguinolenta</i> , O. F. Müll.
135	var. <i>curta</i> , Norman.
136	var. <i>abyssicola</i> , Norman.
	Echinaster , Müller and Troschel.
137	<i>sepositus</i> (Lamarck), Gray.
	Pedicellaster , M. Sars.
138	<i>typicus</i> , M. Sars.
	Asterias , Linné.
139	<i>rubens</i> , Lin.

Asterias, Linné.—continued.

140	<i>violacea</i> , O. F. Müll.
141	<i>hispida</i> , Pennant.
142	<i>vulgaris</i> , Stimpson.
143	<i>greenlandica</i> , Steenstrup.
144	Tanneri, Verrill.
145	<i>spetsbergensis</i> , Dan. and Kor.
146	Müller, M. Sars.
147	<i>glacialis</i> , O. F. Müll.
148	Forbesii, Desor.
149	Linckii, Müll. and Tros.
150	<i>panopla</i> , Stuxberg.
151	<i>polaris</i> , Müll. and Tros.
152	<i>compta</i> , Stimpson.
153	<i>tenuispina</i> , Lamarck.
154	Tanneri, Verrill.
	Brisinga , Asbjörnsen.
155	<i>endecacnemos</i> , Asbj.
156	<i>coronata</i> , M. Sars.
	Freyella , Perrier.
157	<i>elegans</i> , Verrill.
	<i>Class IV.—Echinoidea.</i>
	Dorocidaris , A. Agassiz.
158	<i>papillata</i> , Leske.
	Podocidaris , Desor.
159	Sharrer, A. Agass.
	Salenia , Gray.
160	<i>hastigera</i> , A. Agass.
161	<i>varispina</i> , A. Agass.
	Arbacia , Gray.
162	<i>pustulata</i> , Leske.
163	<i>punctulata</i> , Lamarck.
	Diadema , Gray.
164	<i>setosum</i> , Gray.
	Centrostephanus , Peters.
165	<i>longispinus</i> , Philippi.
	Asthenosoma , Grube.
166	<i>hystric</i> , A. Agass.
	Phormosoma , Wyville Thomson.
167	<i>uranus</i> , Wyv. Thom.
168	<i>placenta</i> , Wyv. Thom.
	Strongylocentrotus , Brandt.
169	<i>dröbachiensis</i> , O. F. Müll.
170	<i>pictus</i> , Norman.
171	<i>lividus</i> , Lamarck.
172	<i>purpuratus</i> , Lovén (in Stockholm Museum).
	Sphærechinus , Desor.
173	<i>granularis</i> , Lamarck.

	Echinus, Rondeletius.		Cucumaria, Blainville.—continued.
174	esculentus, Lin.	205	Grubei, Marenz (spicules only).
175	gracilis, A. Agass.	206	doliolum, Pallas.
176	acutus, Lamarck.	207	Montagui, Fleming.
177	melo, Lamarck.	208	Planci, Brandt.
178	elegans, Düb. and Kor.	209	Koellikeri, Semper.
179	microstoma, Wylv. Thom.	210	frondosa, Gunner.
180	miliaris, O. F. Müll.	211	(junior) fucicola, Forbes.
181	norvegicus, Düb. and Kor.	212	Hyndmanni, Thompson.
182	microtuberculatus, Blain.	213	elongata, Düb. and Kor.
	Temnechinus, Forbes.	214	Kirchsbergii, Heller.
183	maculatus, A. Ag.	215	lactea, Forbes.
	Echinocymus, Von Phelsum.	216	var. brunnea, Forbes.
184	pusillus, O. F. Müll.	217	minuta, Fabricius.
	Echinanthus, Breyen.	218	calcigera, Stimpson.
185	reticulatus, Lin.		Echinocumis, M. Sars.
	Echinarachnius, Leske.	219	hispida, Barrett.
186	parma, Lamarck.		= E. typica, M. Sars.
	Mellita, Klein.		Thyone, Oken.
187	testudinata, Klein.	220	briareus, Lesueur.
	Pourtalesia, A. Agassiz.	221	fusus, O. F. Müll.
188	Jeffreysi, Wylv. Thom.		= floccosa, Norman.
189	phiale, Wylv. Thom.	222	raphanus, Düb. and Kor.
	Spatangus, Klein.	223	aurantiaca, Costa.
190	purpureus, Leske.	224	elegans, Norman.
191	Raschi, Lovén.		Phyllophorus, Grube.
	Echinocardium, Gray.	225	Drummondii, W. Thompson.
192	cordatum, Pennant.	226	var. Dübeni, Norman.
193	flavescens, O. F. Müll.	227	pellucidus, Fleming.
194	pinnatifidum, Norman.	228	Marionii, Marenz (spicules only).
195	mediterraneum, Forbes.	229	productus, Norman.
	Brissus, Klein.	230	urna, Grube.
196	unicolor, Leske.	231	granulatus, Grube.
	Brissopsis, Agassiz.		Orcula, Troschel.
197	lyrifera, Forbes.	232	Barthii, Troschel.
	Schizaster, Agassiz and Desor.		Psolus, Oken.
198	canalifer, Lamarck.	233	phantapus, Strussenfeldt.
199	fragilis, Düb. and Kor.	234	Fabricii, Düb. and Kor.
	Aerope, Wyville Thomson.	235	squamatus, Düb. and Kor.
200	rostrata, Wylv. Thom.		Stichopus, Brandt.
	Moira, A. Agassiz.	236	regalis, Cuvier.
201	atropos, Michelini.	237	tremulus, Gunner.
			Holothuria, Linné.
		238	Forskali, Delle Ch.
			= nigra, T. E. Gray
			= catanensis, Grube.
	Class V.—Holothuroidea.	239	Polii, Delle Chi.
	Cucumaria, Blainville.	240	Sanctori, Delle Chi.
202	cucumis, Risso.	241	Helleri, Marenz.
203	syracusana, Grube.	242	tubulosa, Gmelin.
204	tergestina, M. Sars.		

- | | |
|---|--|
| Holothuria , Linné.—continued. | |
| 243 <i>stellati</i> , Delle Chi. | |
| 244 <i>impatiens</i> , Forskal. | |
| Bathyplotes , Oestergren. | |
| 245 <i>natans</i> , M. Sars. | |
| 246 <i>Tizardi</i> , Théel. | |
| Mesothuria , Ludvig. | |
| 247 <i>intestinalis</i> , Ascanius. | |
| Kolga , Danielssen and Koren. | |
| 248 <i>hyalina</i> , Dan. and Kor. | |
| 249 <i>nana</i> , Théel. | |
| Elpidia , Théel. | |
| 250 <i>glacialis</i> , Théel. | |
| Eupyrgus , Lütken. | |
| 251 <i>scaber</i> , Lütken. | |
| Trochostoma , Danielssen and Koren. | |
| 252 <i>boreale</i> , M. Sars. | |
| 253 <i>arcticum</i> , Marenz. | |
| Ankyroderma , Danielssen and Koren. | |
| 254 <i>musculus</i> , Risso. | |
| Trochoderma , Théel. | |
| 255 <i>elegans</i> , Théel. | |
| Myriotrochus , Steenstrup. | |
| 256 <i>Rinkii</i> , Steenstrup. | |
| 257 <i>brevis</i> , Huxley.
(= <i>Oligotrochus vitreus</i> , M. Sars.) | |
| Chirodota , Eschscholtz. | |
| 258 <i>lævis</i> , Fabricius. | |
| Synapta , Eschscholtz. | |
| 259 <i>inhærens</i> , O. F. Mull. | |
| 260 var. <i>sarniensis</i> , Herapath. | |
| 261 <i>Buski</i> , McIntosh = <i>S. tenera</i> , Norman. | |
| 262 <i>digitata</i> , Montagu. | |
| 263 <i>hispida</i> , Heller. | |
| Lætmogone , Théel. | |
| 264 <i>violacea</i> , Théel. | |
| Euphronides , Théel. | |
| 265 <i>cornuta</i> , Verrill. | |
| Benthodytes , Théel. | |
| 266 <i>typica</i> , Théel. | |
| 267 <i>gigantea</i> , Verrill. | |

II.—PANTOPODA

(= PYCNOGONOIDEA).

SECOND EDITION.

- Pycnogonum**, Brünnick.
 1 littorale, Ström.
 2 crassirostre, G. O. Sars.
 3 pusillum, Dohrn.
Phoxichilus, Lattreille.
 4 spinosus, Montagu.
 5 vulgaris, Dohrn.
 6 carybdæus, Dohrn.
Phoxichilidium, Milne Edwards.
 7 femoratum, Rathke.
 8 minor, Wilson.
 9 robustum, Dohrn.
Anoplodactylus, Wilson.
 10 petiolatus, Kröyer.
 = Ph. longicolle, Dohrn.
 = Pall. pygmœa, Hodge.
 = Ph. exiguum, Dohrn.
 11 virescens, Hodge.

- Anoplodactylus**, Wilson.—continued.

 - lentus, Wilson.
 - angulatus, Dohrn.

Pallene, Johnston.

 - brevirostris, Johnston.
 - =spectrum, Dohrn.
 - =empusa, Wilson.
 - intermedia, Kröyer.
 - emaciata, Dohrn.
 - phantoma, Dohrn.
 - Tiberii, Dohrn.

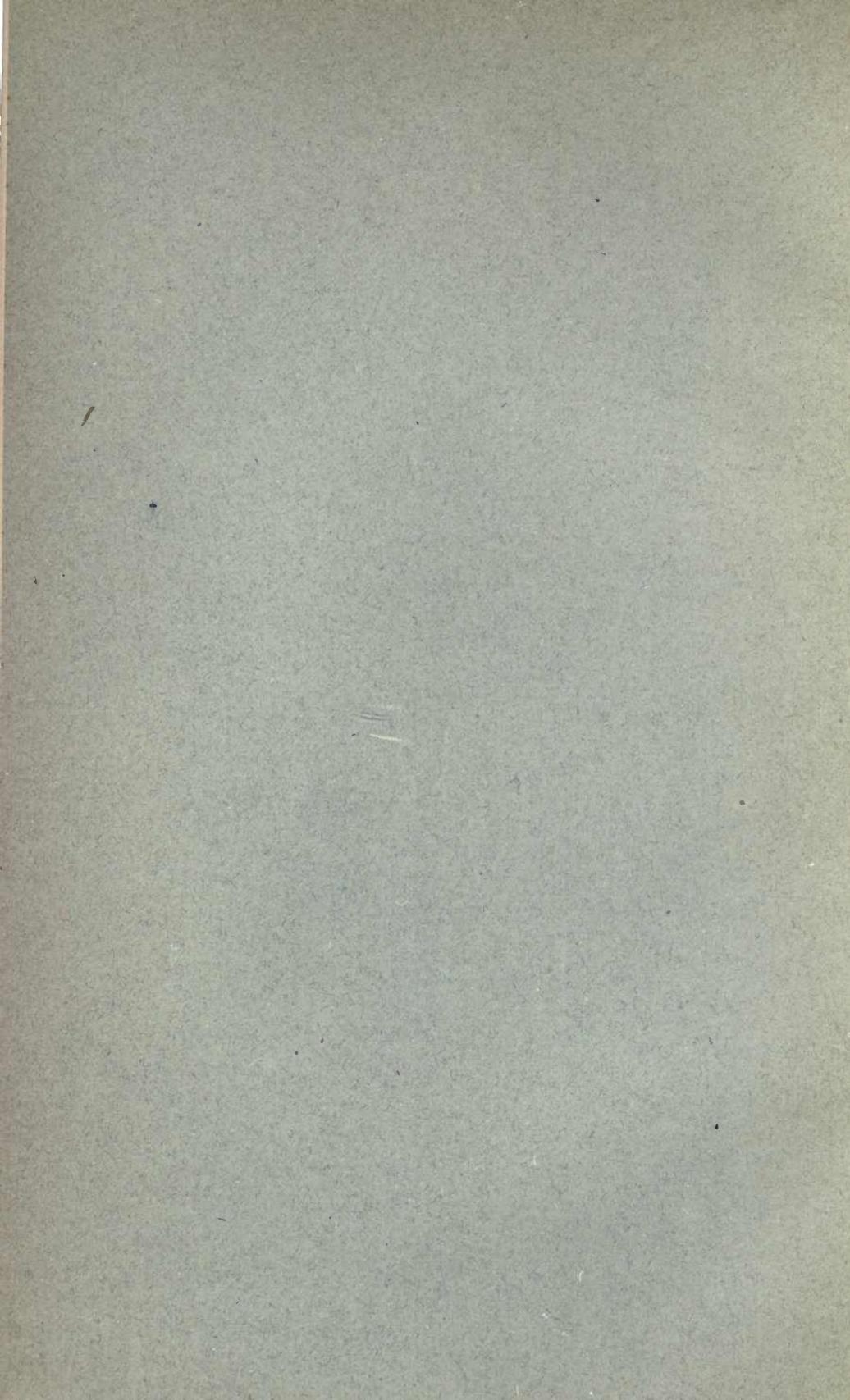
Neopallene, Dohrn.

 - campanellæ, Dohrn.

Pseudopallene, Wilson.

 - circularis, Goodsir.
 - = Pall. intermedia and discoidea,
 - Kröyer.
 - spinipes, Fabr.

	Cordylochele, G. O. Sars.	Tanystylum, Miers.
22	malleolata, G. O. Sars.	orbiculare, Wilson.
	Nymphon, Fabricius.	Tragæus, Dohrn.
23	brevirostre, Hodge.	communis, Dohrn.
24	gracile, Leach.	Clotenia, Dohrn.
25	rubrum, Hodge.	coniostris, Dohrn.
26	gallicum, Hoek.	Ammothea, Leach.
27	glaciale, Lilljeborg.	hispida, Hodge.
28	grossipes, Fabr.	echinata, Hodge.
29	mixtum, Kröyer.	=fibulifera, Dohrn.
30	Stuiteri, Hoek.	lævis, Hodge.
31	longitarse, Kröyer.	franciscana, Dohrn.
32	leptocheles, G. O. Sars.	Langi, Dohrn.
33	Strömii, Kröyer.	appendiculata, Dohrn.
	=giganteum, Goodsir.	Eurycyde, Schiödte.
34	gracilipes, Heller.	hispida, Kröyer.
35	elegans, Hansen.	Barana, Dohrn.
36	macrum, Wilson.	castelli, Dohrn.
37	serratum, G. O. Sars.	arenicola, Dohrn.
	Chætonymphon, G. O. Sars.	Rhyncothorax, Costa.
38	hirtum, Kröyer.	mediterraneus, Dohrn.
39	hirtipes, Bell.	Colossendeis, Jarzynsky.
40	spinosissimum, Norman.	proboscidea, Sabine.
	=spinosa, Sars. (nec Goodsir).	angusta, G. O. Sars.
41	macronyx, G. O. Sars.	
	Boreonymphon, G. O. Sars.	
42	robustum, Bell.	
	=abyssorum, Norman.	



With the Compiler's Compliments.

MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

EUROPE, AND THE ARCTIC AND NORTH ATLANTIC OCEANS,

WHICH ARE CONTAINED IN THE COLLECTION OF

THE REV. CANON A. M. NORMAN, M.A., D.C.L., F.L.S.



III.—CRUSTACEA.



PRINTED FOR PRIVATE DISTRIBUTION.

MORTON, PRINTER, HOUGHTON-LE-SPRING.

March, 1886.

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PREFATORY NOTES.

THE collections to which these Catalogues refer is confined to the Fauna of Europe, together with that of the Arctic and North Atlantic Oceans, including the Seas connected with them.

The North Atlantic Ocean is here regarded as terminating towards the South at lat. 35° N. ; or, at a line drawn from a little to the South of the Straits of Gibraltar on the Eastern, to about Cape Hatteras on the Western side. This boundary is adopted as perhaps the best to embrace the Arctic and Temperate regions, and, at the same time, to exclude the tropical animals of the Gulf of Mexico. The entire area of the Mediterranean is of course included.

These Catalogues are printed in order to make known to Curators of Museums and private Naturalists the present condition of my collection, and to invite exchange.

Opportunities of adding species, which are among my desiderata, either by exchange or purchase will, I hope, thus be afforded to me.

I shall be glad to send, in return for animals received, species either from the present or other classes of Invertebrata which may be preferred. Of course it will be understood that a Catalogue which embraces my entire collection necessarily includes a large number of forms of which there are no duplicates.

Letters should be addressed,—

BURNMOOR RECTORY,

FENCE HOUSES,

Co. DURHAM, ENGLAND.

In the following table will be found a summary of the total number of the several orders of described Crustacea which inhabit Europe and the Arctic and North Atlantic Oceans. It will be seen that their number is nearly three times as great as that of the species of the entire world known to Milne Edwards when he published his classical work. While, on the one hand, it is certain that very many of the forms in column III. will hereafter prove spurious or synonymous with others : on the other hand, we know little of the Amphipoda of the Western Atlantic, and nothing of the Ostracoda free living Copepoda and other smaller Crustacea of that district, and very little of those of some other parts of the area. I venture to prophecy that when the Crustacean

Fauna of the Arctic and Temperate Regions shall have been thoroughly investigated, it will hereafter be found to embrace not less than 5,000 species. It was little suspected a generation ago that the Crustacea is the class which undoubtedly embraces more forms than any other outside the Insecta.

	I. Total Crustacea described from the World in Milne Edwards' 'Histoire des Crustaces.'	II. Species in Milne Edwards' from the Area of this Catalogue.	III. Species now described from the Area of this Catalogue.	IV. Species in the Collection of A. M. N.
CRUSTACEA.				
BRACHYURA.....	321	72	169	100
ANOMURA.....	82	22	87	39
MACRURA.....	46	11	34	17
CARIDA.....	145	64	182	82
SCHIZOPODA.....	24	12	102	58
STOMATOPODA.....	34	5	8	4
CUMACEA.....	1	1	100	66
ISOPODA.....	204	102	406	161
AMPHIPODA	130	95	663	272
XIPHOSURA	5	1	1	1
PHYLLIPOPODA.....	13	12	28	15
CLADOCERA	27	27	168	100
BRANCHIURA	2	2	9	3
OSTRACODA	44	41	369	206
COPEPODA	104	83	810	204
CIRRIPEDIA.....	—	—	73	34
	1182	550	3209	1362

The above summary will indicate the large gaps which remain to be filled in every order; but I shall be especially obliged to those Naturalists who can aid in making the collection more complete in any of the following special points :—

1. Crustacea of the Black and Caspian Seas.
2. Abyssal Atlantic forms.
3. Grapsoidea, Carida, Schizopoda and Cumacea of the Mediterranean.
4. Astacidæ and Phyllopoda of Eastern Europe.
5. European Land Isopoda.
6. Amphipoda of Norway, Arctic Ocean, Abyss of Atlantic, and Mediterranean.
7. Ostracoda and Copepoda of American Coast, and the Mediterranean.
8. Parasitic Copepoda from the entire region, greatly desired.
9. Abyssal Atlantic Cirripedia, the Turtle Parasites, and Rhizocephala.

Of course all other species which are not in this list, will be most acceptable.

MUSEUM NORMANIANUM.

III.—CRUSTACEA.

Order I.—Brachyura.

- Nautilograpus.**
- 1 minutus, Fabr.
- Grapsus.**
- 2 marmoratus, Fabr.
- Sesarma.**
- 3 reticulata, Say.
- Heterograpus.**
- 4 Lucasi, M. Edw.
- Ocypoda.**
- 5 quadrata, J. C. Fab.
- Gelasimus.**
- 6 minax, Leconte.
- 7 vocator, Herbst.
- 8 pugitator, Lat.
- Geryon.**
- 9 tridens, Kröyer.
- 10 longipes, A. M. Edw.
- 11 quinquedens, Smith.
- Pinnixa.**
- 12 cylindrica, Say.
- 13 chaetopterana, Say.
- Pinnotheres.**
- 14 pisum, Penn.
- 15 veterum, Bosc.
- 16 ostreum, Say.
- 17 maculatus, Say.
- Corystes.**
- 18 cassivelaunus, Herbst.
- Atelecyclus.**
- 19 septemdentatus, Mont.
- Thia.**
- 20 polita, Leach.
- Polybius.**
- 21 Henslowii, Leach.

Platyonichus.

- 22 latipes, Penn.
- 23 nasutus, Latr.
- 24 ocellatus, Latr.
- Carcinus.**
- 25 mænas, Baster.
- Portunus.**
- 26 puber, Lin.
- 27 depurator, Lin.
- 28 holsatus, Fab.
- 29 marmoreus, Leach.
- 30 arcuatus, Leach.
- 31 pusillus, Leach.
- 32 corrugatus, Penn.
- 33 tuberculatus, Roux = pustulatus,
Norman.
- 34 longipes, Risso.
- Lupa.**
- 35 hastata, Lin.
- Callinectes.**
- 36 diacanthus, Latr.
- Bathynectes.**
- 37 longispina, Stimp.
- Eriphia.**
- 38 spinifrons, Herbst.
- Pilumnus.**
- 39 hirtellus, Penn.
- 40 spinifer, M. Edw.
- 41 tridentatus, Maitland.
- Panopeus.**
- 42 Herbstii, M. Edw.
- 43 depressus, Smith.
- 44 toxanus, Stimp.
- Xantho.**
- 45 floridus, Montagu.

Xantho. —continued.		Euprognatha.
46 rivulosus, Risso.	78 rastellifera, Stimp.	
47 tuberculatus, Bell.		Ergasticus.
Perimela.	79 Clouei, A. M. Edw.	
48 denticulata, Mont.		Collodes.
Cancer.	80 robustus, Smith.	
49 pagurus, Lin.		Lispognathus.
50 irroratus, Say.	81 Thomsoni, Norman.	
51 borealis, Stimp.		Achæus.
Heterocrypta.	82 Cranchii, Leach.	
52 Marionis, A. M. Edw.		Stenorhynchus.
Lambrus.	83 rostratus, Lin.	
53 angulifrons, Latr.	84 longirostris, Fabr.	
54 mediterraneus, Roux.	85 ægyptius, M. Edw.	
55 Verrillii, Smith.		Acanthocarpus.
Lissa.	86 Alexandri, Stimp.	
56 chiragra, Herbst.		Calappa.
Libinia.	87 granulata, Fabr.	
57 emarginata, Leach.		Ebalia.
58 dubia, M. Edw.	88 tuberosa, Penn, = Pennantii, Leach.	
Pelia.	89 tumefacta, Penn, = Bryerii, Leach.	
59 mutica, Stimp.	90 Cranchii, Leach.	
Eurynome.	91 nux, Norman.	
60 aspera, Penn.		Ilia.
Pisa.	92 nucleus, Herbst.	
61 tetraodon, Penn.		Cymonotus.
62 biaculeata, Mont, = Gibbsii, Leach.	93 granulatus, Norman.	
63 nodipes, Leach.		Ethusa.
Scyramathia.	94 mascarone, Roux.	
64 Carpenteri, Norman.		Dorippe.
Maia.	95 lanata, Bosc.	
65 squinado, Rondel.		Cymopolia.
66 verrucosa, M. Edw.	96 Caronii, Roux.	
Herbstia.		Homola.
67 condylata, M. Edw.	97 barbata, Herbst,	
Chionocetes.	98 Cuvieri, Roux.	
68 phalangium, Fabr.		Dromia.
Hyas.	99 vulgaris, M. Edw.	
69 araneus, Lin.		Latreillia.
70 coarctatus, Leach.	100 elegans, Roux.	
Acanthonyx.		
71 lunulatus, Risso.		Order II.—Anomura.
Anamathia.		
72 Rissoana, Roux.		Lithodes.
73 Agassizii, Smith.	101 maia, Lin.	
Inachus.		Hippa.
74 dorsettensis, Penn.	102 emerita, Fabr, = H. talpoidea, Say.	
75 thoracicus, Roux.		Catapagurus.
76 dorynchus, Leach.	103 Sharperi, A. M. Edw,	
77 leptochirus, Leach,		= Hemipagurus socialis, Smith,

Catapagurus.—continued.

104 gracilis, Smith.

Diogenes.105 varians, Costa, = *P. Dilwynii*, Bate.**Clibanarius.**

106 misanthropus, Risso.

107 Rouxi, Heller.

Paguristes.

108 maculatus, Risso.

Parapagurus.109 pilosimanus, Smith, = *Eupagurus Jacobi*, A. M. Edw.**Eupagurus.**110 Bernhardus, Fabr., = *P. ulidianus*, Thomp., *P. Eblaniensis*, Kinahan.

111 Prideauxii, Leach.

112 pubescens, Kröyer = *P. Thompsoni*, Bell, *E. Kröyeri*, Stimp.113 sculptimanus, Lucas, = *P. Forbesii*, Bell.114 Lucasi, Heller, = *P. spinimanus*, Lucas.

115 angulatus, Risso.

116 meticulosus, Roux, = *P. tricarinatus*, Norman.

117 anachoretus, Risso.

118 longicarpus, Stimp.

119 cuanensis, Thomp.

120 politus, Smith.

121 pollicaris, Say.

Spiropagurus.

122 Hyndmanni, Thomp.

123 lœvis, Thomp.

124 chiroacanthus, Lillj, = *P. ferrugineus*, Norman**Pagurus.**

125 striatus, Latr.

126 callidus, Roux.

Porcellana.

127 platycheles, Penn.

128 longicornis, Penn.

Galathea.

129 strigosa, Lin.

130 squamifera, Leach.

131 nexa, Embleton.

132 intermedia, Lilljeborg = *G. Andrewsii*, Kinahan.

133 dispersa, Bate.

Galathodes.

134 tridentatus, Esmark

Anoplotonotus.

135 politus, Smith.

Munidopsis.

136 curvirostris, Whiteaves.

Munida.

137 Rondeletii, Bell.

138 tenuimana, G. O. Sars.

139 caribæa, Stimp.

Order III.—Macrura.**Callianassa.**

140 subterranea, Mont.

141 Stimpsoni, Smith.

Gebia.

142 deltura, Leach.

143 affinis, Say.

Axius.

144 serratus, L. Stimpson.

145 stirhynchus, Leach.

Calliaxis.

146 adriatica, Heller.

Callocaris.

147 MacAndrei, Bell.

Palinurus.

148 vulgaris, Latr.

Scyllarus.

149 arctus, Fabricius.

150 latus, Latr.

Homarus.

151 vulgaris, M. Edw.

152 americanus, M. Edw.

Polycheles.

153 typhlops, Heller.

Astacus.

154 pallipes, Lereb.

Nephrops.

155 norvegicus, Lin.

Nephropopsis.

156 atlantica, Norman.

Order IV.—Carida.**Crangon.**

157 vulgaris, Lin.

158 Allmanni, Kinahan.

159 echinulatus, M. Sars.

160 nanus, Kröyer.

161 neglectus, G. O. Sars

162 trispinosus, Bell.

163 brevirostris, Smith

164 Jacqueti, A. M. Edw.

Crangon.—continued.

- 165 spinosus, Leach.
 166 norvegicus, M. Sars.
 167 fasciatus, Risso.
 168 sculptus, Bell.
 169 cataphractus, Olivi.

Nectocrangon.

- 170 lar, Kröyer.

Sclerocrangon.

- 171 boreas, Kröyer.
 172 salebrosus, Owen, = Cheraphilus ferox, Sars.
 173 Agassizii, Smith, = Ceraphilus Agassizii, Smith.

Sabinea.

- 174 septemcarinata, Kröyer.
 175 Sarsii, Smith.
 176 princeps, Smith.

Glyptocrangon.

- 177 sculptus, Smith.

Gnathophyllum.

- 178 elegans, Latr.

Lysmata.

- 179 seticaudata, Risso.

Nika.

- 180 edulis, Risso.

Acanthephrya.

- 181 Agassizii, Smith.

Nematocarcinus.

- 182 ensifer, Smith.

Hymenodora.

- 183 glacialis, Bucholz.

Pasiphæa.

- 184 tarda, Kröyer.

- 185 sivado, M. Edw.

Alpheus.

- 186 ruber, M. Edw.
 187 megacheles, Hailstone, = A. Edwardsii Bate, A. affinis, Guise.
 188 dentipes, Guerin,
 189 Costæ, Prestandrea, = A. lævimanus, Heller.

Athanas.

- 190 nitescens, Leach.

Cryptocheles.

- 191 pygmaea, G. O. Sars.

Bythocaris.

- 192 Payeri, Heller.

Virbius.

- 193 varians, Leach.
 194 fasciger, Gosse.
 195 viridis, Otto, = H. Whitei and Mitchelli, Thompson.
 196 productus, Norman.
 197 gracilis, Heller.
 198 leptocerus, Heller.
 199 zostericola, Smith.
 200 pleuracanthus, Stimpson.
- Hippolyte.**
- 201 spinus, Sowerby.
 202 securifrons, Norman.
 203 macilenta, Kröyer.
 204 Phippii, Kröyer = turgida, Kr. fem.
 205 polaris, Sabine, = cultellata, Norman, borealis, Ross, mas.
 206 grøenlandica, J. C. Fab.
 207 Gaimardi, M. Edw, = pandaliformis, Bell.
 208 Cranchii, Leach, = Yarrellii, Thomp. var.
 209 pusiola, Kröyer, = Barleei, Bate; Andrewsii, Kinahan.
 210 Fabricii, Kröyer.
- Caridion.**
- 211 Gordoni, Bate.
- Anchistia.**
- 212 scripta, Risso, = Dennisia sagittifera, Norman.
- Pontonia.**
- 213 tyrrhena, Risso.
 214 plallusiae, Marion.
 215 flavomaculata, Heller.
- Typton.**
- 216 spongicola, Costa.
- Pandalus.**
- 217 annulicornis, Leach.
 218 borealis, Kröyer.
 219 propinquus, G. O. Sars.
 220 leptocerus, Smith.
 221 brevirostris, Rathke, = Hipp. Thompsoni, Bell.
- Palæmonetes.**
- 222 varians, Leach.
 223 vulgaris, Say.
- Palæmon.**
- 224 serratus, Penn.
 225 squilla, Leach.
 226 minans, Norman,

- Palæmon.**—continued.
- 227 Treillianus, Risso.
 228 Fabricii, Rathke, = P. Leachii Bell.
- Stenopus.**
- 229 spinosus, Risso.
- Sicyonia.**
- 230 carinata, Olivi.
- Penæus.**
- 231 caramote, Risso.
 232 foliaceus, Risso.
- Solenocera.**
- 233 siphonocera, Philippi, = S. Philippi Lucas.
- Parapenæus.**
- 234 membranaceus, Risso (non M. Edw.)
 235 politus, Smith.
 236 constrictus, Smith.
- Amalopenæus.**
- 237 elegans, Smith.
- Sergestes.**
- 238 arcticus, Kröyer.
- Order V.—Schizopoda.**
- Lophogaster.**
- 239 typicus, M. Sars, = Ctenomysis alata, Norman.
- Nematoscelis.**
- 240 borealis, Norman.
- Thysanoessa.**
- 241 tenera, G. O. Sars.
- Boreophausia.**
- 242 inermis, Kröyer.
 243 Raschii, M. Sars.
- Nyctiphantes.**
- 244 norvegica, M. Sars.
 245 Couchii, Bell.
- Boreomysis.**
- 246 arctica, Kröyer.
 247 megalops, G. O. Sars.
 248 nobilis, G. O. Sars.
 249 scyphops, G. O. Sars.
- Erythrops.**
- 250 erythrophthalmus, Goes.
 251 serrata, G. O. Sars.
 252 microphthalmus, G. O. Sars.
 253 pygmæa, G. O. Sars.
 254 abyssorum, G. O. Sars.
- Parerythrops.**
- 255 obesa, G. O. Sars.
 256 abyssicola, G. O. Sars.
- Pseudomma.**
- 257 roseum, G. O. Sars.
 258 affine, G. O. Sars.
 259 truncatum, Smith.
- Amblyops.**
- 260 abbreviata, G. O. Sars.
- Mysidopsis.**
- 261 didelphys, Norman.
 262 gibbosa, G. O. Sars.
 263 angusta, G. O. Sars.
- Leptomyysis.**
- 264 gracilis, G. O. Sars, = Mysidopsis hispida, Norman.
 265 lingvura, G. O. Sars.
 266 mediterranea, G. O. Sars.
- Siriella.**
- 267 norvegica, G. O. Sars.
 268 crassipes, G. O. Sars.
 269 armata, M. Edw. = Mysis Griffithsiæ, Bell.
 269* Brooki, Norman.
- Mysideis.**
- 270 insignis, G. O. Sars.
 271 grandis, Goes.
- Gastrosaccus.**
- 272 sanctus, Van Ben.
 273 spinifer, Goes.
 274 Normani, G. O. Sars.
- Macropsis.**
- 275 Slabberi, Van Ben.
- Mysis.**
- 276 flexuosa, Müller.
 277 neglecta, G. O. Sars.
 278 inermis, Rathke.
 279 spiritus, Norman.
 280 ornata, G. O. Sars.
 281 Kervillei, G. O. Sars.
 282 Helleri, G. O. Sars.
 283 arenosa, G. O. Sars.
 284 Lamornæ, Couch.
 285 oculata, Fabr.
 286 var, reducta, Lovén.
 287 mixta, Lilljeborg.
 288 stenolepis, Smith.
 289 americana, Smith.
 290 vulgaris, Thompson.
 291 longicornis, M. Edw.
- Hemimysis.**
- 292 abyssicola, G. O. Sars,

Heteromyysis.

- 293 microps, G. O. Sars.
 294 formosa, Smith.
Mysidella.
 295 typica, G. O. Sars.
 296 typhlops, G. O. Sars.

Order VI.—Stomatopoda.**Squilla.**

- 297 mantis, Rond.
 298 Desmarestii, Risso.
 299 empusa, Say.
Lysiosquilla.
 300 eusebia, Risso.

Order VII.—Cumacea.**Cuma.**

- 301 scorpoides, Montagu.

Cyclaspis.

- 302 longicaudata, G. O. Sars.

Iphinoe.

- 303 trispinosa, Goodsir.
 304 serrata, Norman.
 305 tenella, G. O. Sars.

Cumopsis.

- 306 laevis, G. O. Sars.

Vaunthompsonia.

- 307 cristata, Bate.

Lamprops.

- 308 fasciata, G. O. Sars.
 309 fuscata, G. O. Sars.

Hemilamprops.

- 310 rosea, Norman, = Cyrianassa elegans, Norman, mas.
 311 cristata, G. O. Sars.
 312 uniplicata, G. O. Sars.

Platyaspis.

- 313 typica, G. O. Sars.

Leucon.

- 314 nasicus, Kröyer.
 315 nasicoides, Lilljeborg.
 316 fulvus, G. O. Sars.
 317 acutirostris, G. O. Sars.
 318 pallidus, G. O. Sars.
 319 serratus, Norman.
 320 brevirostris, Norman.

Eudorella.

- 321 emarginata, Kröyer, = Cyrianassa ciliata, Norman, mas.

- 322 truncatula, Bate, = Eudorella inermis, Meinert, mas.
 323 pusilla, G. O. Sars.
 324 hispida, G. O. Sars.
 325 hirsuta, G. O. Sars.
 326 nana, G. O. Sars.

Eudorellopsis.

- 327 deformis, Kröyer.

Diastylis.

- 328 Rathkii, Kröyer.
 329 lucifera, Kröyer.
 330 cornuta, Boeck.
 331 Goodsiri, Bell.
 332 scorpioides, Lepechin.
 333 picta, Stuxberg.
 334 rugosa, G. O. Sars, = D. strigata, Norman, mas.
 335 tumida, Lilljeborg.
 336 laevis, Norman.
 337 serrata, G. O. Sars.
 338 biplicata, G. O. Sars.
 339 lamellata, Norman.
 340 polaris, G. O. Sars.
 341 sculpta, G. O. Sars.
 342 Edwardsii, Kröyer.
 343 quadrispinosa, G. O. Sars.
 344 abbreviata, G. O. Sars.
 345 Josephinæ, G. O. Sars.
 346 longipes, G. O. Sars.
 347 echinata, Bate.
 348 spinosa, Norman, = D. bimarginata, Bate.

Bradyi.

- 349 Calveri, Norman.
 350 armata, Norman.
 351 polita, Smith.

Leptostylis.

- 353 longimana, G. O. Sars.
 354 ampullacea, Lilljeborg.
 355 macrura, G. O. Sars.
 356 villosa, G. O. Sars.

Pseudocuma.

- 357 cercaria, Van Ben, = Cyrianassa longicornis, Bate, mas.

Petalomera.

- 358 declivis, G. O. Sars.

Campylaspis.

- 359 rubicunda, Lilljeborg.
 360 costata, G. O. Sars.
 361 undata, G. O. Sars,

Campylaspis.—continued.

- 362 verrucosa, G. O. Sars.
 363 sulcata, G. O. Sars.
 364 horrida, G. O. Sars.

Cumella.

- 365 pygmæa, G. O. Sars, = *C. agilis*,
 Norman.

Nannasticus.

- 366 unguiculatus, Bate, = *N. binoculoides*,
 Bate, mas.

Order VIII.—Isopoda.**Apseudes.**

- 367 talpa, Mont.
 368 Latreillii, M. Edw.
 369 spinosus, M. Sars.
 370 echinatus, G. O. Sars.
 371 uncidigitatus, Nor. & Steb.
 372 obtusifrons, Nor. & Steb.
 373 simplicirostris, Nor. & Steb.
 374 tricornis, Norman.
 375 gracilis, Nor. & Steb.

Sphyrapus.

- 376 malleolus, Nor. & Steb.
 377 tudes, Nor. & Steb.
 378 anomalus, G. O. Sars.

Tanaïs.

- 379 vittatus, Rathke.

Leptochelia.

- 380 serratospinosa, Nor. & Steb.
 381 elegans, Nor. & Steb.
 382 affinis, Nor. & Steb.
 383 filum, Stimpson, = *L. Edwardsii*,
 B. & W.

Typhlotanaïs.

- 384 tenuiremis, Lillj.
 385 assimilis, G. O. Sars.

Leptognathia.

- 386 longiremis, Lillj.
 387 breviremis, Lillj.
 388 brevimana, Lillj.
 389 graciloides, Lillj.

Pseudotanaïs.

- 390 forcipatus, Lillj.

Cryptocope.

- 391 abbreviata, G. O. Sars.

Tanaëlla.

- 392 unguicillata, Nor. & Steb.

Strongylura.

- 393 arctophylax, Nor. & Steb.

Anthura.

- 394 gracilis, Montagu.
 395 polita, Stimpson, = *Paranthura*
 costana, B. & W.
 396 tenuis, G. O. Sars.

Paranthura.

- 397 brachiata, Stimpson.
 398 brunnea, Harger.
 399 norvegica, G. O. Sars.

Anceus.

- 400 maxillaris, Mont.
 401 formica, Hesse.
 402 vorax, Lucas.
 403 elongatus, Kröyer.

Livoneca.

- 404 Redmanni, Leach.

Olincira.

- 405 prægustator, Latrobe.
 Anilocra.
 406 physodes, Lin.
 407 frontalis, M. Edw.

Nerocila.

- 408 bivittata, Risso.
 409 neapolitana, St. & M.
 410 munda, Harger.
 411 maculata, M. Edw.

Ceratothoa.

- 412 oestroides, Risso.

Emethia.

- 413 Audouinii, M. Edw.

Rocinela.

- 414 danmoniensis, Leach.
 415 Dumerillii, Lucas.

Æga.

- 416 crenulata, Lütken.
 417 Strömii, Lütken.
 418 psora, Lin.
 419 monophthalma, Johnston.
 420 arctica, Lütken.

Ægiochus.

- 421 Nordenskiöldii, Bovallius.

Syncenus.

- 422 infelix, Harger.

Conilera.

- 423 cylindracea, M. Edw.

Cirolana.

- 424 hirtipes, M. Edw., = *C. spinipes*,
 B. & W., = *C. borealis*, Lilljeborg.
 425 concharum, Stimp.

- Eurydice.**
- 426 pulchra, Leach.
 - 427 truncata, Norman.
 - 428 polydendrica, Nor. & Steb.
- Sphæroma.**
- 429 serratum, Fab.
 - 430 rugicanda, Leach.
 - 431 Hookeri, Leach.
 - 432 curtum, Leach.
 - 433 Prideauxianum, Leach.
 - 434 granulatum, M. Edw.
 - 435 quadridentatum, Say.
- Cymodocea.**
- 436 pilosa, M. Edw.
 - 437 truncata, Leach.
- Dynamene.**
- 438 versicolor, Rathke, = D. rubra and viridis, Leach, = D. varians, Stebbing.
- Næsa.**
- 439 bidentata, Adams.
- Campecopea.**
- 440 hirsuta, Mont.
- Limnoria.**
- 441 lignorum, Rathke.
- Glyptonotus.**
- 442 entomon, Lin.
 - 443 Sabini, Kröyer.
 - 444 cæcus, Say.
 - 445 Tuftsii, Stimpson.
- Idotea.**
- 446 prismatica, Risso, = I. parallela, B. & W.
 - 447 marina, Lin, = I. tricuspidata and pelagica, B. & W.
 - 448 phosphorea, Harger.
 - 449 metallica, Bosc, = I. robusta, Kröyer.
 - 450 emarginata, Fab.
 - 451 hectica, Pallas.
 - 452 linearis, Lin.
 - 453 acuminata, Leach, = I. appendiculata, M. Edw.
- Edotea.**
- 454 bicuspida, Owen.
 - 455 triloba, Say.
 - 456 montosa, Stimpson.
- Cleantis.**
- 457 filiformis, Say.
 - 458 attenuata, Harger.
- Astacilla.**
- 459 longicornis, Sow.
 - 460 intermedia, Goodsir.
 - 461 gracilis, Goodsir.
- 462 danmoniensis, Stebbing.
 - 463 Deshayesii, Lucas, = A. linearis, Stebbing.
 - 464 granulata, G. O. Sars, = A. americana, Harger.
 - 465 affinis, G. O. Sars.
 - 466 pusilla, G. O. Sars.
- Arcturus.**
- 467 Baffini, Sabine.
 - 468 tuberosus, G. O. Sars.
 - 469 hystrix, G. O. Sars.
- Nannoniscus.**
- 470 bicuspis, G. O. Sars.
- Asellus.**
- 471 aquaticus, Lin.
- Janira.**
- 472 maculosa, Leach.
- Jæra.**
- 473 albifrons, Mont.
 - 474 Nordmanni, Rathke.
- Leptaspidea.**
- 475 brevipes, B. & W.
- Dendrotium.**
- 476 spinosum, G. O. Sars.
- Pleurogonium.**
- 477 rubicundum, G. O. Sars.
 - 478 spinosissimum, G. O. Sars.
- Paramunna.**
- 479 bilobata, G. O. Sars.
- Munna.**
- 480 Boeckii, Kröyer.
 - 481 limicola, G. O. Sars.
- Ichnosoma.**
- 482 bispinosum, G. O. Sars.
 - 483 quadrispinosum, G. O. Sars.
- Macrostylis.**
- 484 spinifera, G. O. Sars.
- Desmosoma.**
- 485 lineare, G. O. Sars.
 - 486 armatum, G. O. Sars.
 - 487 aculeatum, G. O. Sars.
- Ilyarachna.**
- 488 longicornis, G. O. Sars.
 - 489 hirsuta, G. O. Sars.
 - 490 hirticeps, G. O. Sars.
 - 491 coronata, G. O. Sars.
 - 492 clypeata, G. O. Sars.
- Munnopsis.**
- 493 typica, M. Sars,

Eurycope.

- 494 cornuta, G. O. Sars.
 495 phalangium, G. O. Sars.
 496 mutica, G. O. Sars.
 497 producta, G. O. Sars.
 498 furcata, G. O. Sars.
 499 gigantea, G. O. Sars.

Liriopsis.

- 500 pygmæa, Rathke.

Aspidophryxus.

- 501 peltatus, G. O. Sars.

Cyroniscus.

- 502 cypridinæ, G. O. Sars.

Athegeles.

- 503 paguri, Rathke.

Pleurocrypta.

- 504 galatheæ, Hesse, = non Phryxus
 galatheæ, B. & W.

- 505 longibranchiata, B. & W.

- 506 hippolytes, Kröyer.

Gyge.

- 507 branchialis, Cor. and Pan., = G.
 galatheæ, B. & W.

- 508 Hyndmanni, B. & W.

- 509 confusa, Norman, = Phryxus
 galatheæ, B. & W., non
 Pleurocrypta galatheæ, Hesse.

Phryxus.

- 510 abdominalis, Kröyer.

Ione.

- 511 thoracica, Mont.

Bopyrus.

- 512 squillarum, Latr.

Bopyrina.

- 513 ocellata, Czern, = Bopyrus virbii,
 Walz.

Ligia.

- 514 oceanica, Lin.

- 515 Brandtii, Rathke.

Ligidium.

- 516 agile, Persoon.

- 517 Couchii, Kinahan.

Trichoniscus.

- 518 roseus, Koch.

Armadillidium.

- 519 vulgare, Latr.

- 520 granulatum, Brandt.

- 521 frontirostre, B. Lund.

- 522 Klugii, Brandt.

Porcellio.

- 523 scaber, Latr.

- 524 dilatatus, Brandt.

Metaponorthrus.

- 525 pruinosis, Brandt.

Platyarthrus.

- 526 Hoffmannseggii, Brandt.

Philoscia.

- 527 muscorum, Scopoli.

Order IX.—Amphipoda.**Thyropus.**

- 528 ovoides, Risso.

Lycæa.

- 529 Malmii, Boeck.

Themisto.

- 530 libellula, Mandt = Th. crassicornis,
 Bate.

- 531 bispinosa, Boeck.

Parathemisto.

- 532 obliqua, Kröyer.

- 533 compressa, Goes, = Lestrigonus
 spinidorsalis, Bate.

Tauria.

- 534 medusarum, O. Fab., = Hyperia
 tauriformis, B. & W.

Hyperia.

- 535 medusarum, O. Müll, = H. galba
 Mont, Lestrigonus Kinahanii,
 B. & W.

- 536 spinipes, Boeck.

Cystosoma.

- 537 neptuni, Guerin.

Clydonia.

- 538 borealis, G. O. Sars.

Phronima.

- 539 sedentaria, Forskal.

Phronimella.

- 540 elongata, Claus.

Phrosina.

- 541 semilunata, Risso.

Vibilia.

- 542 Jeangerardii, Audouin.

Talitrus.

- 543 locusta, Pallas.

Orchestia.

- 544 gammarellus, Pallas = G. littorea,
 Mont.

- 545 Deshayesii, Audouin.

- 546 mediterranea, Costa.

- 547 agilis, Smith.

- 548 palustris, Smith.

Talorchestia.	Lepidepecreum.
549 longicornis, Say.	578 carinatum, Bate, = <i>A. longicornis</i> , Bate.
550 megalophthalmus, Bate.	
Hyale.	Normania.
551 Nilssonii, Rathke, = Allorchesites Danai, Bate.	579 quadrimana, B. & W.
552 Lubbockiana, Bate, = Allorchesites imbricatus and carinatus, Bate.	Acidostoma.
553 littoralis, Stimpson.	580 obesum, Bate.
554 nudicornis, Heller.	Euonyx.
Lysianassa.	581 chelatus, Norman.
555 Costaë, M. Edw.	Pontoporeia.
556 longicornis, Lucas.	582 femorata, Kröyer.
557 spinicornis, Costa, = <i>L. marina</i> , Bate.	583 affinis, Lindstrom.
Ichnopus.	Bathyporeia.
558 affinis, Heller.	584 pilosa, Lindstrom, = <i>A. pelagica</i> and Robertsoni, Bate.
Callisoma.	Phoxus.
559 crenata, Bate.	585 Holbölli, Kröyer.
560 Kröyeri, Bruzelius.	586 simplex, Bate.
Socarnes.	587 oculatus, G. O. Sars.
561 Vahli, Kröyer.	Harpina.
Hippomedon.	588 plumosa, Kröyer.
562 Holböllii, Kröyer, = <i>A. denticulatus</i> , Bate.	589 Kröyeri, Stimpson.
563 abyssi, Goes.	Lepidactylis.
Aristeus.	590 arenaria, Slabber, = <i>Sulcator aren-</i> <i>arius</i> , Bate.
564 tumidus, Kröyer, = <i>Lysianassa</i> <i>Audouiniana</i> , Bate.	Urothoe.
Anonyx.	591 marinus, Bate.
565 lagena, Kröyer.	592 norvegicus, Boeck, = <i>U. Bairdii</i> , Bate.
566 gulosus, Kröyer, = <i>A. Holböllii</i> , Bate.	593 elegans, Bate.
567 nobilis, Stimpson.	Stegocephalus.
568 pumilus, Lilljeborg.	594 ampulla, Phipps.
569 melanophthalmus, Norman.	Andania.
Onesimus.	595 nordlandica, Boeck.
570 littoralis, Kröyer.	Amphilochus.
571 plautus, Kröyer.	596 manudens, Bate.
572 Edwardsii, Kröyer.	Cyproidea.
Orchomene.	597 danmoniensis, Stebbing.
573 serrata, Boeck, = <i>A. Edwardsii</i> , Bate (non Kröyer).	Metopa.
574 minuta, Kröyer.	598 clypeata, Kröyer.
Triphosa.	599 Alderi, Bate.
575 nana, Kröyer.	600 affinis, Boeck.
576 longipes, Bate, = <i>A. longipes</i> and ampulla, Bate.	601 Solsbergi, Schneider.
577 nanoides, Lilljeborg.	602 borealis, G. O. Sars.
	603 pollexiana, Bate.
	604 rubrovittata, G. O. Sars.
	Stenothoe.
	605 marina, Bate.
	606 monoculoides, Montagu.

- Probolium.**
- 607 serratipes, Norman.
- Danaia.**
- 608 dubia, Bate.
- Syrhoe.**
- 609 crenulata, Goes.
- 610 hamatipes, Norman.
- Tiron.**
- 611 acanthurus, Lilljeborg.
- Œdiceros.**
- 612 saginatus, Kröyer.
- 613 lyneus, M. Sars.
- 614 borealis, Boeck.
- 615 microps, G. O. Sars.
- 616 cæculus, Bate.
- 617 parvimanus, Bate.
- 618 æquicornis, Norman.
- Monoculodes.**
- 619 Stimpsoni, Bate.
- 620 longimanus, B. & W.
- 621 borealis, Boeck.
- 622 latimanus, G. O. Sars.
- 623 tessellatus, Schneider.
- 624 longirostris, Goes.
- 625 Packardi, Boeck.
- 626 carinatus, Bate.
- 627 norvegicus, Boeck.
- Halimedon.**
- 628 Mülleri, Boeck.
- 629 Saussurei, Boeck.
- 630 brevicalcar, Goes.
- 631 megalops, G. O. Sars.
- Pontocrates.**
- 632 norvegicus, Boeck, = Kröyera arenaria, Bate.
- 633 haplocheles, Grube, = Kröyera brevicarpa, B. & W.
- 634 altimarinus, B. & W.
- Aceros.**
- 635 phyllonyx, M. Sars.
- Œdiceropsis.**
- 636 brevicornis, Lilljeborg.
- Acanthostephia.**
- 637 Malmgreni, Goes.
- Pleustes.**
- 638 panoplus, Kröyer.
- Paramphithoe.**
- 639 pulchella, Kröyer.
- 640 bicuspis, Kröyer, = Pherusa bicuspis, Bate.
- 641 glabra, Boeck.
- 642 cataphracta, Stimpson.
- 643 fucicola, Leach.
- Parapleustes.**
- 644 gracilis, Bucholz.
- Laphysteus.**
- 645 sturionis, Kröyer.
- Odius.**
- 646 carinatus, Bate.
- Pereionotus.**
- 647 testudo, Montagu.
- Iphimedia.**
- 648 obesa, Rathke.
- Epimeria.**
- 649 cornigera, Fab. = Acanthonotus Owenii, Bate.
- 650 loricata, G. O. Sars.
- Acanthonotozone.**
- 651 cuspidata, Lepechin.
- Vertumnus.**
- 652 serratus, O. Fab.
- 653 inflatus, Kröyer.
- Tritaeta.**
- 654 gibbosa, Bate, = Atylus gibbosus, Bate
- Dexamine.**
- 655 spinosa, Montagu.
- 656 tenuicornis, Rathke.
- Atylus.**
- 657 carinatus, Fabricius.
- 658 Swammendamii, M. Edw.
- 659 vedlomensis, B. & W.
- Pontogeneia.**
- 660 inermis, Kröyer.
- Halirages.**
- 661 bispinosus, Bate.
- 662 tridentatus, Bruzelius.
- 663 fulvocinctus, M. Sars.
- Amphithopsis.**
- 664 latipes, M. Sars.
- Calliopius.**
- 665 læviusculus, Kröyer.
- 666 grandoculus, Bate.
- 667 norvegicus, Rathke.
- 668 bidentatus, Norman.
- Lencothea.**
- 669 spinicarpus, Abild, = L. articulosa, Bate.

Tritropis.			
670	aculeata, Lepechin.	699	Batei, Norman, = Megamæra
671	inflata, G. O. Sars.		multidentata, B. & W.
672	cataphracta, Stimpson.	700	semiserrata, Bate.
		701	brevicandata, Bate.
Eusirus.		702	grossimana, Montagu.
673	cuspidatus, Kröyer, = E. helveticæ,	703	lævis, Smith.
	Bate.	704	Danæ, Stimpson.
Lilljeborgia.			
674	pallida, Bate.	705	locusta, Lin.
675	fissicornis, M. Sars.	706	marinus, Leach.
		707	campylops, Leach.
Nicippe.		708	Edwardsii, Bate.
676	tumida, Bruzelius.	709	pulex, Pennant.
		710	neglectus, Lilljeborg.
Pardalisca.		711	veneris, Heller.
677	cuspidata, Kröyer.		
Melphidippa.		Byblis.	
678	longipes, Boeck.	712	Gaimardi, Kröyer.
Amathilla.		713	serrata, Smith.
679	Sabini, Leach.		
680	angulosa, Rathke.	Ampelisca.	
681	pinguis, Kröyer.	714	tenuicornis, Lilljeborg, = A. lævigata,
Eriopis.			B. & W.
682	elongata, Bruzelius.	715	typica, Bate, = A. Gaimardi, Bate
Niphargus.			(non Kröyer.)
683	aquilex, Schiödte.	716	æquicornis, Bruzelius.
Gammarella.		717	Eschrichtii, Kröyer.
684	brevicaudata, M. Edw.	718	macrocephala, Lilljeborg.
685	Normani, B. & W.	719	lævigata, Lilljeborg.
Isæa.		720	gracilis, Smith.
686	Montagui, M. Edw.	721	limicola, Stimpson.
Cheiocratus.			
687	Sundevalli, Rathke, = Lilljeborgia	Haploops.	
	shetlandica, B. & W.; Proto-	722	tubicola, Lilljeborg.
	medeia, Whitei, Bate; Chei-	723	setosa, Boeck.
	ocratus Normani, Stebbing.		
688	assimilis, Lilljeborg, = Ch. mantis,	Ptilocheirus.	
	Norman.	724	hirsutimanus, Bate.
Melita.		725	pilosus, Zaddach.
689	obtusata, Mont., = M. proxima, Bate;	726	pinguis, Stimpson.
	Megamæra Alderi, Bate.		
690	gladiosa, Bate.	Photis.	
691	palmaea, Montagu.	727	Reinhardi, Kröyer.
692	angulata, Smith.	728	longicaudata, B. & W.
693	dentata, Kröyer.		
694	orchestipes, Costa,	Megamphopus.	
695	nitida, Smith.	729	cornutus, Norman.
Mæra.			
696	Lovéni, Bruzelius.	Microprotopus.	
697	longimana, Thompson.	730	maculatus, Norman.
698	othonis, M. Edw.		
		Microdeuteropus.	
		731	gryllotalpa, Costa, = Autonoe grandi-
			mana, Bruz.
		732	anomalus, Rathke, = M. gryllotalpa,
			Bate (non Costa.)

- Microdeuteropus.**—continued.
- 733 minax, Smith.
Stimpsonia.
 734 chelifera, Bate.
Aora.
 735 gracilis, Bate.
Autonee.
 736 Websteri, Bate.
 737 longipes, Lilljeborg.
 738 plumosa, Boeck, = *Microdeuteropus bidentatus*, Stebbing.
 739 versiculata, Bate.
Protomediea.
 740 fasciata, Kröyer.
Gammaropsis.
 741 erythrophthalmus, Lilljeborg.
 742 melanops, G. O. Sars.
Podoceropsis.
 743 Sophiea, Boeck, = *Nænia tuberculosa*, Bate.
 744 rimapalma, Bate, = *Nænia excavata* and undata, Bate.
Amphithoe.
 745 podoceroides, Rathke, = *A. littorina*, Bate.
 746 rubricata, Montagu.
 747 cuniculus, Stebbing.
 748 penicillata, A. Costa.
 749 maculata, Stimpson.
Sunamphithoe.
 750 hamulus, Bate.
Janassa.
 751 capillata, Rathke.
Podocerus.
 752 falcatus, Montagu, = *Jassa pelagica* and pulchella, Leach.
 753 variegatus, Leach.
 754 anguipes, Kröyer.
 755 latipes, Kröyer.
 756 assimilis, G. O. Sars.
 757 minutus, G. O. Sars.
Erichthonius.
 758 difformis, M. Edw. = *Derothoe punctatus*, Bate, fem.
 759 abditus, Templeton.
Corophium.
 760 grossipes, Lin. = *Gammarus longicornis*, Fabr.
 761 crassicorne, Bruzelius, = *C. spinicorne* and Bonellii, B. & W.
- 762 tenuicorne, Norman.
 763 cylindricum, Say.
Siphonocetes.
 764 typicus, Kröyer.
 765 pallidus, G. O. Sars.
 766 cuspidatus, Smith.
Colomastix.
 767 pusilla, Grube, = *Exungua stilipes*, Norman.
Dryope.
 768 irrorata, Bate.
 769 crenatipalmata, Bate.
Dulichia.
 770 falcata, Bate.
 771 porrecta, Bate.
 772 monacantha, Metzger.
Unciola.
 773 irrorata, Say.
 774 planipes, Norman, = *Unciola leucopis*, B. & W. (non Kröyer).
Lætmatophilus.
 775 Darwini, Bate.
 776 armatus, Norman.
Chelura.
 777 terebrans, Philippi.
Proto.
 778 ventricosa, Müller, = *P. pedata* and Goodseri, B. & W.
Ægina.
 779 spinifera, Bell, = *A. spinosissima*, Stimpson.
Protella.
 780 phasma, Mont.
Podalirius.
 781 typicus, Kröyer.
 782 minutus, Mayer.
 783 Kröyeri, Haller.
Caprella.
 784 linearis, Lin. = *C. lobata*, B. & W.
 785 æquilibra, Say.
 786 acutifrons, Latr.
 787 hystrix, Bell, = *C. acuminifera*, Bate (non Latr.).
 788 tuberculata, Guerin.
 789 dentata, Haller.
 790 acanthifera, Leach, = *C. calva*, B. & W.
 791 grandimana, Mayer, = *C. Dohrni*, Haller.
 792 septentrionalis, Kröyer.
 793 spinosissima, Norman, = *C. horrida*, Sars.

Cyamus.

- 794 *ceti*, Pallas.
 795 *boopis*, Lütken.
 796 *monodontis*, Lütken.
 797 *nodosus*, Lütken.
 798 *globicipitis*, Lütken.

Plytocyamus.

- 799 Thompsoni, Gosse.

Order X.—Xiphosura.**Limulus.**

- 800 *polyphemus*, Latr.

Order XI.—Phyllopoda.**Nebalia.**

- 801 *bipes*, Fabr.
Limnetis.

- 802 *brachyurus*, Müller.

Limnadia.

- 803 *lenticularis*, Lin.

Estheria.

- 804 *cycladooides*, Joly.
 805 *pesthinensis*, Bruhl.

Apus.

- 806 *cancriformis*, Schaeffer.

Lepidurus.

- 807 *productus*, Bosc.
 808 *glacialis*, Kröyer.

Branchipus.

- 809 *Grubei*, Dybowski.

Chirocephalus.

- 810 *stagnalis*, Lin.
 811 *diaphanus*, Prevost.

Branchinecta.

- 812 *paludosa*, Müller.

Streptocephalus.

- 813 *torvicornis*, Waga.

Polyartemia.

- 814 *forcipata*, Fischer.

Artemia.

- 815 *salina*, Fab.

Order XII.—Cladocera.**Latona.**

- 816 *setifera*, Müller.

Daphnella.

- 817 *brachyura*, Liévin, = D. Wingii, Baird.
 818 *Brandtiana*, Fischer.

Sida.

- 819 *crystallina*, Müller.

Limnosida.

- 820 *frontosa*, G. O. Sars.

Holopedium.

- 821 *gibberum*, Zaddach.

Daphnia.

- 822 *pulex*, De Geer.

(a) var : Middendorffiana, S.

Fischer.

- 823 *magna*, Strauss, = D. Schaefferi, Baird.

- 824 *longispina*, Müller.

(a) var : cavifrons, G. O. Sars.

- 825 *psittacea*, Baird.

- 826 *brevisetosa*, Hellrich.

- 827 *hyalina*, Leydig.

- 828 *pellucida*, P. E. Müller.

- 829 *ovata*, G. O. Sars.

- 830 *lacustris*, G. O. Sars.

(a) var : *galeata*, G. O. Sars.

- 831 *Jardinii*, Baird, = D. *cucullata*, G. O. Sars.

(a) var : *apicata*, Kurz.

(b) var : *kahlbergiensis*, Schödler.

(c) var : *cederstromii*, Schödler.

- 832 *longiremis*, G. O. Sars.

Cephaloxus.

- 833 *cristatus*, G. O. Sars.

Simocephalus.

- 834 *vetulus*, Müller.

- 835 *exspinosis*, Koch.

- 836 *serrulatus*, Koch.

- 837 *congener*, Koch.

Scapholeberis.

- 838 *mucronata*, Müller.

- 839 *obtusa*, Schödler.

Ceriodaphnia.

- 840 *reticulata*, Jurine.

- 841 *quadrangula*, Müller.

- 842 *rotunda*, Straus.

- 843 *megalops*, G. O. Sars.

- 844 *pulchella*, G. O. Sars.

- 845 *laticaudata*, P. E. Müller.

Moina.

- 846 *rectirostris*, Müller.

- 847 *Lilljeborgii*, Schödler.

Bosmina.

- 848 *cornuta*, Jurine.

- 849 *longirostris*, Müller.

- 850 *longispina*, Leydig.

	Bosmina. —continued.	
851	Lilljeborgii, G. O. Sars.	885 sanguineus, P. E. Müller.
852	coregoni, Baird, = B. rotunda, Schödler, B. diaphana, P. E. Muller.	886 intermedius, G. O. Sars.
853	nitida, G. O. Sars.	887 rostratus, Koch.
854	maritima, P. E. Müller.	Harporhynchus.
855	brevirostris, P. E. Müller.	888 falcatus, G. O. Sars.
856	bohemica, Hellick.	Graptoleberis.
857	gibbera, Schödler.	889 testudinaria, Fischer.
	Lathonura.	Alonella.
858	rectirostris, Müller.	890 excisa, Schödler.
	Macrothrix.	891 exigua, Lilljeborg.
859	laticornis, Jurine.	892 nana, Baird.
860	rosea, Jurine.	Peracantha.
861	hirsuticornis, Nor. and Brad.	893 truncata, Müller.
	Ophryoxus.	Pleuroxus.
862	gracilis, G. O. Sars.	894 trigonellus, Müller.
	Acantholeberis.	895 laevis, G. O. Sars, = P. hastatus, G. O. Sars.
863	curvirostris, Müller.	896 striatus, Schödler.
	Ilyocryptus.	897 uncinatus, Baird.
864	sordidus, Liévin.	898 aduncus, Jurine.
865	acutifrons, G. O. Sars.	Chydorus.
866	agilis, Kurz.	899 globosus, Baird.
	Streblocerus.	900 sphéricus, Müller.
867	minutus, G. O. Sars.	901 barbatus, G. S. Brady.
	Drepanothrix.	902 latus, G. O. Sars.
868	dentata, Euren.	903 cælatus, Schödler.
	Eury cercus.	904 piger, G. O. Sars.
869	lamellatus, Müller.	905 ovalis, Kurz.
	Camptocercus.	Anchistropus.
870	macrurus, Müller.	906 emarginatus, G. O. Sars.
871	rectirostris, Schödler.	Monospilus.
872	Lilljeborgii, Schödler.	907 tenuirostris, Fischer.
	Acroperus.	Polyphemus.
873	arpa, Baird.	908 pediculus, De Geer.
874	angustatus, G. O. Sars.	Bythotrephes.
	Alonopsis.	909 longimanus, Lilljeborg.
875	elongata, G. O. Sars.	Podon.
876	latissima, Kurz.	910 intermedius, Lilljeborg.
	Leydigia.	911 polyphemoides, Leuckart.
877	acanthocercoides, Fischer.	912 minutus, G. O. Sars.
878	quadrangularis, Leydig.	Evadne.
	Lynceus.	913 Nördmanni, Lovén.
879	quadrangularis, Müller.	914 spinifera, P. E. Müller.
880	oblongus, P. E. Müller.	Leptodora.
881	tenuicaudis, G. O. Sars.	915 hyalina, Lilljeborg.
882	costatus, G. O. Sars.	
883	guttatus, G. O. Sars.	
884	lineatus, Fischer.	

Order XIII.—Branchiura.**Argulus.**

- 916 foliaceus, Lin.
917 coregoni, Thorell.
918 laticauda, Smith.

Order XIV.—Ostracoda.**Cypris.**

- 919 fuscata, Jurine.
920 incongruens, Rambohr.
921 virens, Jurine.
 (a) var: ventricosa, B. and R.
922 obliqua, Brady.
923 affinis, Fischer.
924 ornata, Müller.
925 tumefacta, B. and R.
926 compressa, Baird.
927 pubera, Müller, = C. punctillata,
 Norman.
928 bispinosa, Lucas.
929 hirsuta, Fischer.
930 tessellata, Fischer.
931 dromedarius, Fischer.
932 fasciata, Müller.
933 strigata, Müller.
934 reptans, Baird.
935 prasina, Fischer.
936 salina, Brady.
937 gibba, Rambohr.
938 exsculpta, Fischer, = C. striolata,
 Brady.
939 cinerea, Brady.
940 laevis, Müller.
941 ovum, Jurine.
942 serrata, Norman, = C. serrulata,
 G. O. Sars.
943 trigonella, Brady.
944 olivacea, n. sp.

Cypridopsis.

- 945 vidua, Müller, = C. obesa, B. and R.
946 Newtoni, Bra. and Rob.
947 villosa, Jurine.
948 aculeata, Lilljeborg.

Potamocypris.

- 949 fulva, Brady.

Aglaia.

- 950 complanata, B. and R.

Cyprois.

- 951 dispar, Fischer.

Notodramas.

- 952 monachus, Müller.

Paracypris.

- 953 polita, G. O. Sars.

Candonia.

- 954 albicans, Brady.
955 lactea, Baird.
956 compressa, Koch.
957 candida, Müller.
958 detecta, Müller.
959 similis, Baird.
960 fabæformis, Fischer, = diaphana,
 B. and R.

- 961 Kingsleei, B. and R.

- 962 exserta, Fischer.

Argillaecia.

- 963 cylindrica, G. O. Sars.
964 angusta, Brady.

Pontocypris.

- 965 mytiloides, Norman.
966 hispida, G. O. Sars.
967 acupunctata, Brady.
968 trigonella, G. O. Sars.

Bairdia.

- 969 inflata, Norman.
970 acanthigera, Brady.
971 obtusata, G. O. Sars.
972 complanata, Brady.
973 Crosskeyana, Brady.
974 formosa, Brady.

Macrocypris.

- 975 minna, Baird.
976 angusta, G. O. Sars.

Loxoconcha.

- 977 impressa, Baird.
978 viridis, Müller, = L. elliptica, Brady.
979 granulosa, G. O. Sars.
980 fragilis, G. O. Sars.
981 guttata, Norman.
982 tamarindus, Jones.
983 multifora, Norman.
984 pusilla, B. and R.

Xestoleberis.

- 985 aurantia, Baird.
986 depressa, G. O. Sars.
987 labiata, B. and R.

Cytherura.

- 988 nigrescens, Baird.
989 cuneata, Brady, = C. flavescens,
 Brady, fem,

Cytherura.—continued.

- 990 angulata, Brady, = *C. insolita*, Brady,
 (monstrous).
991 producta, Brady.
992 striata, G. O. Sars, = *C. quadrata*,
 Norman, fem.
993 lineata, Brady.
994 Sarsii, Brady.
995 simplex, Brady.
996 similis, G. O. Sars.
997 gibba, Müller, = *C. Robertsoni*,
 Brady.
998 cornuta, Brady, = *C. gibba*, Brady,
 (non Müller).
999 acuticostata, G. O. Sars.
1000 fulva, B. and R.
1001 pumila, B. C. and R.
1002 concentrica, B. C. and R.
1003 propinqua, B. and R.
1004 undata, G. O. Sars.
1005 clathrata, G. O. Sars.
1006 cellulosa, Norman.
1007 affinis, G. O. Sars.

Cytheropteron.

- 1008 latissimum, Norman.
1009 nodosum, Brady.
1010 pyramidale, Brady.
1011 inflatum, B. C. and R.
1012 subcircinatum, G. O. Sars.
1013 punctatum, Brady.
1014 alatum, G. O. Sars, = *C. inornatum*,
 Brady (junior).
1015 angulatum, B. and R.
1016 rectum, Brady.
1017 mucronulatum, Brady.

Pseudocythere.

- 1018 caudata, G. O. Sars.

Bythocythere.

- 1019 simplex, Norman.
1020 constricta, G. O. Sars.
1021 turgida, G. O. Sars.
1022 dromedarius, G. O. Sars.

Cytherideis.

- 1023 subulata, Brady.
1024 foveolata, Brady,

Sclerochilus.

- 1025 contortus, Norman.

Xiphichilus.

- 1026 tenuissimus, Norman.

Paradoxostoma.

- 1027 variabile, Baird.
1028 abbreviatum, G. O. Sars.
1029 ensiforme, Brady.
1030 Normani, Brady.
1031 pulchellum, G. O. Sars.
1032 Fischeri, G. O. Sars.
1033 obliquum, G. O. Sars.
1034 orchadense, B. and R.
1035 hibernicum, Brady.
1036 sarniense, Brady.
1037 flexuosum, Brady.
1038 tenerum, Brady.
1039 arcuatum, Brady.

Darwinella.

- 1040 Stevensoni, B. and R.

Metacypris.

- 1041 cordata, B. and R.

Cythere.

- 1042 lutea, Müller.
1043 cyamos, Norman, = *C. viridis*, Brady
 (non Müller).
1044 pellucida, Baird.
1045 castanea, G. O. Sars.
1046 porcellanea, Brady.
1047 macallana, B. and R.
1048 tenera, Brady.
1049 crispata, Brady.
1050 badia, Norman.
1051 gibbosa, B. and R.
1052 Robertsoni, Brady.
1053 oblonga, Brady.
1054 rubida, Brady.
1055 pulchella, Brady.
1056 villosa, G. O. Sars.
1057 fuscata, Brady.
1058 convexa, Baird.
1059 albomaculata, Baird.
1060 leioderma, Norman.
1061 cuneiformis, Brady.
1062 navicula, Norman, = *Cytherura*
 navicula, Norman, = *Cythere*
 fidicula, B. and R.
1063 limicola, Norman.
1064 globulifera, Brady.
1065 tuberculata, G. O. Sars.
1066 concinna, Jones.
1067 borealis, Brady.
1068 angulata, G. O. Sars.
1069 emarginata, G. O. Sars.

Cythere.—continued.

- 1070 finmarchica, G. O. Sars.
 1071 abyssicola, G. O. Sars.
 1072 crenulata, G. O. Sars.
 1073 costata, Brady.
 1074 marginata, Norman, = *C. laticarina*,
 Brady.
 1075 dubia, Brady.
 1076 quadridentata, Baird.
 1077 emaciata, Brady.
 1078 Stimpsoni, Brady.
 1079 mirabilis, Brady.
 1080 mucronata, G. O. Sars.
 1081 dunelmensis, Norman.
 1082 Whitei, Baird.
 1083 antiquata, Baird.
 1084 Jonesii, Baird.
 1085 acerosa, Brady.
 1086 semipunctata, Brady.
 1087 echinata, G. O. Sars.
 1088 canadensis, Brady.
 1089 irpex, Brady.
 1090 dasyderma, Brady.
 1091 acanthoderma, Brady.

Limnicythere.

- 1092 inopinata, Brady.
 1093 relicta, Lilljeborg.
 1094 monstrifica, Norman.
 1095 Sancti-Patricii, B. and R.

Cytheridea.

- 1096 elongata, Brady.
 1097 cornea, B. and R.
 1098 papillosa, Bosquet.
 1099 punctillata, Brady.
 1100 torosa, Jones.
 (a) var : laevis
 1101 lacustris, G. O. Sars.
 1102 zetlandica, Brady.
 1103 subflavesceus, Brady.

Eucythere.

- 1104 declivis, Norman.
 (a) var : argus, G. O. Sars.
 (b) var : anglica, Brady.

Krithe.

- 1105 bartonensis, Jones.
 1106 producta, Brady.
 1107 glacialis, B. and R.

Cypridina.

- 1108 norvegica, Baird.
 1109 mediterranea, Costa.

Bradycinetus.

- 1110 Brenda, Baird.
 1111 Macandrei, Baird.
 1112 Lilljeborgii, G. O. Sars.

Philomedes.

- 1113 interpuncta, Baird.
 1114 Folini, Brady.

Asterope.

- 1115 Mariæ, Baird.
 1116 teres, Norman.

Halocypris.

- 1117 obtusata, G. O. Sars.

Conchoecia.

- 1118 borealis, G. O. Sars.

Sarsiella.

- 1119 capsula, Norman.

Polycope.

- 1120 orbicularis, G. O. Sars.
 1121 compressa, B. and R.
 1122 dentata, Brady.

Cytherella.

- 1123 scotica, Brady.
 1124 abyssorum, G. O. Sars.

Order XV.—Copepoda.**Euchæta.**

- 1125 norvegica, Boeck.

Calanus.

- 1126 finmarchicus, Gunner.

Pleuromma.

- 1127 armatum, Boeck, = Metridia
 armata, Brady.

Calanella.

- 1128 mediterranea, Claus.

Paracalanus.

- 1129 parvus, Claus.

Clausia.

- 1130 elongata, Boeck, = Pseudocalanus
 elongatus, Brady.

- 1131 armata, Boeck.

Limnocalanus.

- 1132 macrurus, G. O. Sars.

Heterocope.

- 1133 appendiculata, G. O. Sars.
 1134 alpina, G. O. Sars.
 1135 saliens, Lilljeborg.

Dias.	
1136	longiremis, Lilljeborg.
1137	biflosus, Giesbrecht.
1138	discaudatus, Giesbrecht.
1139	Mossi, Norman.
Temorella.	
1140	velox, Lilljeborg.
1141	Clausii, Hoek.
1142	hirundo, Giesbrecht.
Temora.	
1143	longicaudata, Lubbock, = T. longicornis, Brady.
Diaptomus.	
1144	castor, Jurine.
1145	gracilis, G. O. Sars.
1146	laticeps, G. O. Sars.
1147	cæruleus, S. Fischer.
Centropages.	
1148	typicus, Kröyer.
1149	hamatus, Lilljeborg.
Parapontella.	
1150	brevicornis, Lilljeborg.
Isias.	
1151	clavipes, Boeck.
Anomalocera.	
1152	Patersonii, Templeton.
Cervinia.	
1153	Bradyi, Norman.
Oithina.	
1154	spinostris, Claus.
Cyclopina.	
1155	gracilis, Claus.
Thorellia.	
1156	brunnea, Boeck.
1157	pallida, Norman.
Cyclops.	
1158	signatus, Claus.
1159	tenuicornis, Claus.
1160	strenuus, Fischer.
1161	gigas, Claus.
1162	pulchellus, Koch.
1163	vicinus, Uljanin, = C. pulchellus, Brady.
1164	annulicornis, Koch.
1165	Leuckartii, Claus.
1166	oithinoides, G. O. Sars.
1167	scutifer, G. O. Sars.
1168	abyssorum, G. O. Sars.
1169	lacustris, G. O. Sars.
1170	viridis, Fischer.
1171	robustus, G. O. Sars.
1172	lucidulus (Koch), G. O. Sars.
1173	bisetosus, Rehberg.
1174	crassus, Fischer.
1175	languidus, G. O. Sars.
1176	insignis, Claus.
1177	Lubbockii, Brady.
1178	serrulatus, Fischer.
1179	macrurus, G. O. Sars.
1180	capillatus, G. O. Sars.
1181	crassicaudis, G. O. Sars.
1182	varicans, G. O. Sars.
1183	diaphanus, Fischer.
1184	affinis, G. O. Sars.
1185	gracilis, Lilljeborg.
1186	Kaufmanni, Uljanin.
1187	phaleratus, Koch.
1188	fimbriatus, Fischer.
1189	æquoreus, Fischer.
Notodelphys.	
1190	Allmanni, Thorell.
1191	cærulea, Thorell.
1192	agilis, Thorell.
1193	prasina, Thorell.
Doropygus.	
1194	pulex, Thorell.
1195	Normani, Brady.
1196	gibber, Thorell.
1197	porcicauda, Brady.
Notopterophorus.	
1198	papilio, Hesse.
1199	elatus, Costa.
1200	elongatus, Costa.
Botachus.	
1201	cylindratus, Thorell.
Ascidicola.	
1202	rosea, Thorell.
Ectinosoma.	
1203	spinipes, Brady.
1204	melaniceps, Boeck.
Longipedia.	
1205	coronata, Claus.
Zosime.	
1206	typica, Boeck.
Tachidius.	
1207	brevicornis, Müller.
Euterpe.	
1208	gracilis, Claus.
Amymone.	
1209	sphærica, Claus.

	Stenhelia.		Peltidium.
1210	hispidæ, Brady.	1247	purpurocinctum, Norman.
	Canthocampus.	1248	depressum, Baird, = A. interruptum, Goodsir.
1211	minutus, Müller.	1249	typicum, Czern, = P. crenulatum, Brady.
1212	hibernicus, Brady.		Porcellidium.
1213	palustris, Brady.	1250	fimbriatum, Claus.
1214	pygmæus, G. O. Sars.	1251	viride, Philippi.
1215	Lilljeborgii, Boeck.	1252	subrotundum, Norman.
1216	crassus, G. O. Sars.		Idya.
1217	lucidulus, Rehberg.	1253	furcata, Baird.
	Mesochra.	1254	palæocrystica, Norman.
1218	Lilljeborgii, Boeck.		Scutellidium.
	Diosaccus.	1255	fasciatum, Boeck.
1219	tenuicornis, Claus.		Antaria.
	Laophonte.	1256	mediterranea, Claus.
1220	serrata, Claus.		Corycæus.
1221	horrida, Norman.	1257	typicus, Kröyer.
1222	thoracica, Boeck.		Sapphirina.
1223	similis, Claus.	1258	fulgens, Tilesius.
1224	forcipata, Claus.		Lichomolgas.]
1225	curticauda, Boeck.	1259	furcillatus, Thorell.
1226	longicaudata, Boeck.	1260	pteroidis, D. Valle.
1227	lamellifera, Claus.	1261	forficula, Thorell.
	Cletodes.		Sabelliphilus.
1228	propinqua, B. and R.	1262	Sarsii, Claparedé.
	Dactylopus.		Anthessius.
1229	tisböides, Claus.	1263	solecurti, Valle.
1230	Strömii, Baird.		Eolidicola.
1231	flavus, Claus.	1264	tenax, M. Sars.
1232	brevicornis, Claus.		Cyclopicera.
	Thalestris.	1265	echinicola, Norman.
1233	mysis, Claus.	1266	nigripes, B. and R.
1234	helgolandica, Claus.		Artotrogus.
1235	rufocincta, Norman.	1267	magniceps, Brady.
1236	harpacticoides, Claus.	1268	Normani, Brady.
1237	Clausii, Norman.		Dyspontius.
1238	rufoviolescens, Claus.	1269	striatus, Thorell.
1239	hibernica, B and R.		Enterocola.
1240	longimana, Claus.	1270	eruca, Norman.
1241	Cronii, Kröyer, = Harpacticus Cronii, Kröyer.		Nicothoe.
	Westwoodia.	1271	astaci, M. Edw.
1242	nobilis, Baird.		Splanchnotrophus.
	Harpacticus.	1272	gracilis, Norman and Hancock.
1243	chelifer, Müller.		Chondracanthus.
1244	fulvus, Fischer.	1273	zei, Delaroche.
	Zaus.	1274	merluccii, Holten, = C. xiphiae, Cuv.
1245	spinatus, Goodsir.	1275	nodosus, Müller.
1246	Goodsiri, Brady.		

Chondracanthus.—continued.

- 1276 Dufresnii, Blainv., = *C. gibbosus*,
Kröyer.
1277 cornutus, Müller.
1278 soleæ, Kröyer.
1279 gurnardi, Kröyer, = *C. lophii*,
Johnston.

Diocus.

- 1280 gobinus, Fabr.

Lernæopoda.

- 1281 elongata, Grant.
1282 carpionis, Kröyer.
1283 salmonea, Lin.
1284 Edwardsii, Olsson.
1285 galei, Kröyer.

Charopinus.

- 1286 Dalmanni, Retzius.

Achtheres.

- 1287 percarum, Nordmann.

Tracheliaastes.

- 1288 polycolpus, Nordmann.

Brachiella.

- 1289 rostrata, Kröyer.
1290 thynni, Cuvier.
1291 impudica, Nordmann.
1292 bispinosa, Nordmann.

Anchorella.

- 1293 uncinata, Müller.
1294 rugosa, Kröyer.

Lesteira.

- 1295 lumpy, Kröyer.

Lernæocera.

- 1296 esocina, Burmeister.

Caligus.

- 1297 curtus, Müller.
1298 rapax, M. Edw.
1299 centrodonti, Baird.
1300 minimus, Otto.

Lepeophtheirus.

- 1301 Nordmanni, M. Edw.
1302 hippoglossi, Kröyer.
1303 pectoralis, Müller.
1304 Thompsoni, Baird.
1305. branchialis, Malm.
1306 salmonis, Kröyer.

Trebius.

- 1307 caudatus, Kröyer.

Euryphorus.

- 1308 nymphæ, St. and Lüt.

Denematura.

- 1309 ferox, Kröyer.
1310 producta, Müller.
1311 serrata, Kröyer.

Elytrophora.

- 1312 brachyptera, Gerstacker.

Echthrogaleus.

- 1313 coleoptratus, Guerin.

Nogagus.

- 1314 Lütkeni, Norman.
1315 angustatus, Gerstacker.

Pandarus.

- 1316 bicolor, Leach.

Phyllophora.

- 1317 cornuta, M. Edw.

Læmargus.

- 1318 muricatus, Kröyer.

Cecrops.

- 1319 Latreillii, Leach.

Dichelestium.

- 1320 sturionis, Hermann.

Lamproglena.

- 1321 pulchella, Nordmann.

Nemesis.

- 1322 lamnæ, Risso.

Peniculus.

- 1323 fistula, Nordmann.

Lerneænicus.

- 1324 sprattæ, Sowerby.

Hæmobaphes.

- 1325 cyclopterina, Fabr.

Lernæa.

- 1326 branchialis, Lin.

Pennella.

- 1327 orthagorisci, P. Wright.

- 1328 filosa, Cuv.

Order XVI.—Cirripedia.**Pollicipes.**

- 1329 cornucopia, Leach.

Scalpellum.

- 1330 vulgare, Leach.

- 1331 Strömii, G. O. Sars.

- 1332 angustum, G. O. Sars, = *S. nymphocola*, Hoek.

Alepas.

- 1333 minuta, Philippi.

Conchoderma.

- 1334 auritum, Lin.
 1335 virgatum, Spengler.
 1336 gracile, Heller.

Dichelaspis.

- 1337 Darwinii, Fil.

Lepas.

- 1338 anatifera, Lin.
 1339 ansiferina, Lin.
 1340 pectinata, Spengler.
 1341 fascicularis, Ellis and Sol.

Alcippe.

- 1342 lampas, Hancock.

Verruca.

- 1343 Strömia, Müller.

Chthamalus.

- 1344 stellatus, Poli.

Xenobalanus.

- 1345 globicipitis, Steenstrup.

Tubicinella.

- 1346 trachealis, Shaw.

Coronula.

- 1347 diadema, Lin.

Pyrgoma.

- 1348 anglicum, G. B. Sow.

Acasta.

- 1349 spongites, Poli.

Balanus.

- 1350 tintinnabulum, Lin.
 1351 perforatus, Bruz.
 1352 porcatus, Costa.
 1353 crenatus, Bruz.
 1354 balanoides, Lin.
 1355 Hameri, Ascan.

Clistosaccus.

- 1356 paguri, Lillj.

Peltogaster.

- 1357 paguri, Rathke.

- 1358 sulcatus, Lillj.

- 1359 socialis, Müll.

Lernæodiscus.

- 1360 subterraneus, Kossman.

Sacculina.

- 1361 carcinii, Thomp.

- 1362 triangularis, Anderson.

Sylon.

- 1363 hippolytes, Kröyer.

MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

The Arctic and North Atlantic Temperate Ocean and
Palæarctic Region,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN,

M.A., D.C.L., LL.D., F.R.S., F.L.S., &c.

III. CRUSTACEA.

SECOND EDITION.

DURHAM :

THOS. CALDCLEUGH & SON, PRINTERS, 45, SADDLER STREET.

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P R E F A C E.

The collection, of which this is a Catalogue, is restricted to the Northern Arctic and Temperate Fauna.

The area included embraces the Arctic and the North Atlantic Oceans as far South as lat. 35° N., or to a line from Cape Hatteras, in America, to a point just South of the Strait of Gibraltar. The whole of the Mediterranean is included. On land it embraces Greenland, Europe, and Asia, the last continent as far South, roughly speaking, as lat. 38° N.; but the Manchurian Province and all Asia East of Lake Baikal is excluded. There are added the Azores and the countries bordering on the South and East shores of the Mediterranean. In fact it is the Palæarctic Region of A. R. Wallace without the regions just indicated by latitude and name.

At the same time I have collected a little at Madeira, where the Marine Fauna is interestingly illustrative of the Southern distribution of many of our species, and thence were procured a few other species which are entered here but are made known by the letter M after the specific name. Similarly, being interested in circumpolar distribution, a few species have been obtained from the North Pacific, and these may be known by the letter P placed after the specific name.

I have here, for the first time in these Catalogues, distinguished the species of which either the actual types or specimens named by the describer are in my collection, by placing an (*) before the name.

This Catalogue, as far as p. 33, was printed three years ago, but the finding and receiving from others such large additions to my Crustacea led to the printing of the concluding part being delayed until the present time. This accounts for the "Addenda" given of species in Orders I—XV, obtained since the beginning of 1902.

The Catalogue is of sufficient extent, I trust, to be of use, when interleaved, to Museums and private collectors for marking their own collection, or inserting in MS. on the interleaved pages such species as they may possess from the same area, but which are not named here.

In the *Preparatory Notes* of the first edition of this Catalogue, published in 1886, tables were given to supply the number of species described in H. Milne Edwards's *Histoire des Crustacés*, 1834—40, as known to him from the whole world, and also of those then known from the restricted area of my own collection. In a third column was shown the number of species described up to 1886 from the restricted area; while a fourth gave the number of forms at that time in my collection. These columns are reproduced below; and two others have been added enumerating, first, the species now known, and, secondly, those now in my collection. The column which gives the number of species described up to the present time cannot be absolutely accurate, since some such species must have escaped my notice; nor is the number as large as it might have been made, because many forms, which have been so imperfectly described that it is to be feared they can never be recognized, have been altogether omitted; among these are a considerable portion of the Crustacea described by the late M. Hesse.

The growth of our knowledge of the Crustacean Fauna during the last nineteen years has been simply astounding. In 1886 I wrote—and I felt that I was bold in doing so—"I venture to prophesy that, when the Crustacean Fauna of the Arctic and Temperate Regions shall have been thoroughly investigated, it will hereafter be found to embrace not less than 5000 species." Now at the expiration of only nineteen years the number of known species has actually risen from 3,209 to 5,435!

I wrote then as an argument for what might seem to others to be a presumptuous prophecy, that "we know little of the Amphipoda of the Western Atlantic and nothing of the free living Copepoda and other smaller Crustacea of that district, and very little of those of some other parts of the area." At the present moment, notwithstanding the vast recent additions to the Fauna, that statement is as true as it was then, for the discoveries which have been made have been for the most part from the depths and surface of the ocean, and from those portions of sea and land which had previously been the most efficiently investigated. Moreover, as yet we know very little of the Harpactoidea and other groups of smaller Crustacea of the Southern portions of the area, including the Mediterranean and Azores, while depths from fifty fathoms down to the great abyss of the ocean still hide a Crustacean wealth of small species, the existence of which we are only just beginning to realize.

	Total Crustacea described from the World in Milne Edwards's "Histoire des Crustacés," 1834-1840.	Species in Milne Edwards from the area of this Catalogue.	Species described from the same area in 1866.	Species described from the same area, August, 1905.	Species from the same area in the collection of A.M.N. in 1866.	Species from the same area in the collection of A.M.N. August, 1905.
Brachyura	321	72	169	208	100	110
Anomura	82	22	87	114	39	60
Macrura and Carida	191	75	216	269	99	119
Schizopoda	24	12	102	164	58	76
Stomatopoda	34	5	8	8	4	5
Sympoda = Cumacea	1	1	100	131	66	92
Isopoda	204	102	406	875	161	400
Amphipoda	130	95	663	1020	272	622
Xyphosura	5	1	1	1	1	1
Phyllocarida	1	1	2	2	1	2
Phyllopoda	12	11	26	58	14	32
Cladocera	27	27	168	216	95	132
Branchiura	2	2	9	9	3	3
Ostracoda	44	41	369	639	202	315
Copepoda	104	83	810	1584	204	649
Cirripedia	73	137	35	42
	1182	550	3209	5435	1354	2660
Species from Madeira (M) or North Pacific (P)...					0	41
Named varieties					9	107
THE RED HOUSE,					1363	2808

Species from Madeira (M) or North Pacific (P)...

Named varieties

THE RED HOUSE.

**BERKHAMSTED,
HERTS.**

A. M. NORMAN.

CORRIGENDA.

NUMBER.

- 128 *for* Cymopolia, Roux, *read* Palicus, Philippi.
139 *for* emerita *read* eremita.
250 *for* megacheles *read* macrocheles.
364 *for* Macropsis, G. O. Sars., *read* Mesopodopsis, Czerniavsky.
378 *for* Mesomysis, n.g., *read* Michtheimysis, Norman.
392 *for* Cuma, H. Milne Edwards = *read* Bodotria, Bate.
452 *for* Diastylopsis, G. O. Sars., *read* Diastylopsis, S. I. Smith.
563 *dela* = * E. polydendrica, Nor. and Stebb. M.S.
1517 *for* Simocephalus, Schoedler, *read* Simosa, Norman.
1592 *for* Leptorynchus, Herrich, *read* Rhynchotalona, Norman.

MUSEUM NORMANIANUM.

III.—CRUSTACEA.

(SECOND EDITION).

Order I.—BRACHYURA.

Grapsus, Lamarck.

1 strigosus, Herbst.

Pachygrapsus, Randall.

2 marmoratus, Fabr.

3 crassipes, Randall, P.

4 maurus, Lucas.

Nautilograpsus, H. Milne Edwards.

5 minutus, Fabr.

Euchirograpsus, H. Milne Edwards.

6 liguricus, H. M. Edw.

Heterograpsus, Lucas.

7 Lucasi, H. M. Edw.

8 oregonicus, Stimpson, P.

9 nudus, Stimpson, P.

Sesarma, Say.

10 reticulata, Say.

Plagusia, Latreille.

11 depressa (Fabr.), Say.

Leiolophus, Miers.

12 planissimus, Herbst, M.

Gelasimus, Latreille.

13 tangieri, Eydoux.

14 minax, Leconte.

15 vocator, Herbst.

16 pugilator, Latr.

Ocypoda, Fabricius.

17 quadrata, Fab.

Gonopax, Leach.

18 angulata, Fabr.

19 rhomboides, Roux.

Geryon, Kröyer.

20 tridens, Kröyer.

21 longipes, A. M. Edw.

22 *quinquedens, S. J. Smith.

Pinnotheres, Latreille.

23 pisum, Penn.

24 veterum, Bosc.

25 ostreum, Say.

26 maculatus, Say.

Pinnixa, A. White.

27 Sayana, Stimpson.

28 chætoptera, Say.

Thelphusa, Latreille.

29 fluviatilis, Befon.

Corystes, Latreille.

30 cassivelaunus, Herbst.

Atelecyclus, Leach.

31 septemdentatus, Mont.

Telmessus, White.

32 cheiragonus, Tilesius, P.

Thia, Leach.

33 polita, Leach.

Polybius, Leach.

34 Henslowii, Leach.

Platyonichus, De Haan.

35 latipes, Pennant.

36 nasutus, Latreille.

37 ocellatus, Latreille.

Carcinus, Leach.

38 mænas, Baster.

Portunus, Fabricius.

39 puber, Linné.

40 depurator, Linné.

41 holsatus, Fabricius.

42 marmoreus, Leach.

43 arcuatus, Leach.

44 pusillus, Leach.

45 corrugatus, Pennant.

46 tuberculatus, Roux.

- Bathynectes**, Stimpson.
- 47 longipes, Risso.
48 superba, O. G. Costa.
=B. longispina, Stimpson.
=Thranites velox, Bovallius.
- Lupa**, Latreille.
- 49 hastata, H. M. Edw.
- Callinectes**, Stimpson.
- 50 diacanthus, Latreille.
- Neptunus**, De Haan.
- 51 Sayi, Stimpson.
- Panopaeus**, H. M. Edwards.
- 52 Herbstii, H. M. Edw.
53 *depressus, J. S. Smith.
54 *Sayi, J. S. Smith.
55 texanus, Stimpson.
- Eriphia**, Latreille.
- 56 spinifrons, Herbst.
- Pilumnus**, Leach.
- 57 hirtellus, Pennant.
58 spinifer, H. M. Edw.
59 tridentatus, Maitland.
- Xantho**, Leach.
- 60 floridus, Montagu.
61 rivulosus, Risso.
62 tuberculatus, Bell.
- Perimela**, Leach.
- 63 denticulata, Montagu.
- Paragalene**, Kossman.
- 64 longicrura, Nardo.
- Cancer**, Linné.
- 65 pagurus, Linné.
66 irroratus, Say.
67 borealis, Stimpson.
68 Bellianus, J. Y. Johnson.
69 magister, Dana, P.
70 productus, Randall, P.
71 antennarius, Stimpson, P.
- Trichocarcinus**, Miers.
- 72 oregonensis, Miers, P.
- Heterocrypta**, Stimpson.
- 73 Maltzani, Miers.
=H. Marionis, A. M. Edw.
- Lambrus**, Leach.
- 74 mediterraneus, Roux.
75 angulifrons, Latreille.
76 massena, Roux.
77 *Verrillii, J. S. Smith.
- Lissa**, Leach.
- 78 chiragra, Herbst.
- Libinia**, Leach.
- 79 emarginata, Leach.
80 dubia, M. Edw.
- Pelia**, Bell.
- 81 mutica, Stimpson.
- Eurynome**, Leach.
- 82 aspera, Pennant.
- Pisa**, Leach.
- 83 tetraodon, Pennant.
84 biaculeata, Montagu.
85 nodipes, Leach.
86 corallina, Risso.
- Maia**, Lamarck.
- 87 squinado, Rondelet.
88 verrucosa, H. M. Edw.
- Herbstia**, H. M. Edwards.
- 89 condylata, H. M. Edw.
- Chionocetes**, Kröyer.
- 90 phalangium, Fabricius.
- Hyas**, Leach.
- 91 araneus, Linné.
92 coarctatus, Leach.
- 93 var. latifrons, Stimpson, P.
94 lyratus, Dana, P.
- Acanthonyx**, Latreille.
- 95 lunulatus, Risso.
- Epialtus**, H. Milne Edwards.
- 96 productus, Randall, P.
- Pugettia**, Dana.
- 97 gracilis, Dana, P.
=P. Lordi, Bate.
- Anamathia**, S. J. Smith.
- 98 Rissoana, Roux.
99 *Agassizii, S. J. Smith.
- Oregonia**, Dana.
- 100 gracilis, Dana, P.
- Euprognatha**, Stimpson.
- 101 rastellifera, Stimpson.
- Ergasticus**, A. M. Edwards.
- 102 Clouei, A. M. Edw.
- Collodes**, Stimpson.
- 103 *robustus, S. J. Smith.
104 depressus, A. M. Edw.
- Scyramathia**, A. M. Edwards.
- 105 *Carpenteri, Norman.
- Lispognathus**, A. M. Edwards.
- 106 *Thomsoni, Norman.
- Inachus**, Fabricius.
- 107 dorsettensis, Pennant.
108 thoracicus, Roux,

	Inachus, Fabricius.—continued.	Dermatura, Brandt.
109	dorhynchus, Leach.	Mandtii, Brandt, P.
110	leptochirus, Leach.	Hippa, Fabricius.
111	mauritanicus, Lucas.	emerita, Fabricius. =H. talpoides, Say.
	Achæus, Leach.	Catapagurus, A. M. Edw.
112	Cranchii, Leach.	140 Sharrei, A. M. Edw. =Hemipagurus socialis, Smith.
	Stenorhynchus, Lamarck.	141 *gracilis, S. J. Smith.
113	rostratus, Linné.	Diogenes, Dana.
114	longirostris, Fabricius.	142 varians, Costa. =P. Dilwynii, Bate.
115	ægyptius, H. M. Edw.	Clibanarius, Dana.
	Acanthocarpus, Stimpson.	143 misanthropus, Risso.
116	Alexandri, Stimpson.	144 Rouxi, Heller.
	Calappa, Fabricius.	Calcinus, Dana.
117	granulata, Fabricius.	144a ornatus, Roux.
118	marmorata, Fabricius.	Paguristes, Dana.
	Ebalia, Leach.	145 maculatus, Risso.
119	tuberosa, Leach.	Parapagurus, S. J. Smith.
120	tumefacta, Pennant.	146 *pilosimanus, S. J. Smith. =Eupagurus, Jacobi, A. M. Edw.
121	Cranchii, Leach.	Pagurus (Fabr.), Dana.
122	costæ, Heller.	147 striatus, Latreille.
123	*nux, Norman.	148 callidus, Roux.
	Ilia, Fabricius.	Eupagurus, Brandt.
124	nucleus, Herbst.	149 Bernhardus, Fabr.
		150 *var. acadianus, Benedict.
		151 *var. alaskensis, Benedict, P.
		152 *var. aleuticus, Benedict, P.
		153 ochotensis, Brandt, P.
		154 Prideauxii, Leach.
		155 pubescens, Kröyer.
		156 var. Thompsoni, Bell.
		157 sculptimanus, Lucas. =P. Forbesii, Bell.
		158 minimus, Chev. and Bouv.
		159 angulatus, Risso.
		160 meticulosus, Roux. =P. tricarinatus, Norman.
	Dorippe, Fabricius.	161 anachoretus, Risso.
125	lanata, Bosc.	162 cuanensis, Thompson.
	Ethusa, Roux.	163 longicarpus, Stimpson.
126	mascarone, Roux.	164 *politus, S. J. Smith.
	Cymonomus, A. M. Edwards.	165 pollicaris, Say.
127	*granulatus, Norman.	166 timidus, Roux.
	Cymopolia, Roux.	167 carneus, Pocock.
128	Caronii, Roux.	168 *Tanneri, Benedict, P.
	Homala, Leach.	169 Kennerlyi, Stimpson, P.
129	barbata, Herbst.	170 *undosus, Benedict, P.
130	Cuvieri, Roux.	
	Dromia, Fabricius.	
131	vulgaris, H. M. Edw.	
	Dicranodromia, A. M. Edwards.	
132	Mahieuxii, A. M. Edw.	
	Latreillia, Roux.	
133	elegans, Roux.	
	Lithodes, Latreille.	
134	maia, Linné.	
135	camtschaticus, Tilesius, P.	
	Leptolithodes, Benedict.	
136	*multispina, Benedict, P.	
	Echinocerus, White.	
137	foraminatus, Stimpson, P.	

	Eupagurus, Brandt.—continued.
171	trigonocheirus, Stimpson, P.
172	splendescens, Owen, P.
173	tenuimanus, Dana, P.
174	*capillatus, Benedict, P.
175	*confragosus, Benedict, P.
176	*Rathbuni, Benedict, P.
177	*cornutus, Benedict, P.
178	hirsutiulus, Dana, P.
179	*Gilli, Benedict, P.
180	*Dalli, Benedict, P.
181	granosimanus, Stimpson, P.
	Sympagurus, S. J. Smith.
182	bicristatus, A. M. Edw.
	Anapagurus, Henderson.
183	Hyndmanni, Thompson.
184	lævis, Thompson.
185	chiroacanthus, Lilljeborg. = *P. ferrugineus, Norman.
186	bicorniger, A. M. Edw. and Bouvier.
187	curvidactylus, Bouvier.
	Porcellana, Lamarck.
188	platycheles, Pennant.
189	longicornis, Pennant.
	Galathea, Fabricius.
190	strigosa, Linné.
191	squamifera, Leach.
192	nexa, Embleton.
193	dispersa, Bate.
194	*intermedia, Lilljeborg. = G. Andrewsii, Kinahan.
	Galathodes, A. Milne Edwards.
195	tridentatus, Esmark.
	Anaplonotus, S. J. Smith.
196	*politus, Smith.
	Uroptychus, Henderson.
197	nitidus, A. M. Edw.
198	rubrovittatus, A. M. Edw.
	Munidopsis, Whiteaves.
199	curvirostris, Whiteaves.
	Munida, Leach.
200	rugosa, Fabricius.
201	tenuimana, G. O. Sars.
202	caribæa, Stimpson.

Order III.—MACRURA.

	Callianassa, Leach.
203	subterranea, Montagu.
204	*Stimpsoni, S. J. Smith.

	Gebia, Leach.
205	stellata, Montagu. = G. littoralis, Risso.
206	affinis, Say.
	Axius, Leach.
207	stirhynchus, Leach.
208	serratus, Stimpson.
	Naxea, Nardo.
209	nocturna, Nardo. = Calliaxis adriatica, Heller.
	Calocaris, Bell.
210	MacAndrei, Bell.
	Scyllarus, Fabricius.
211	arctus, Fabricius.
212	latus, Latreille.
	Palinurus, J. E. Gray.
213	vulgaris, Latreille.
	Homarus, H. M. Edwards.
214	vulgaris, H. M. Edw.
215	americanus, H. M. Edw.
	Polycheles, Heller.
216	typhlops, Heller.
	Astacus, Leach.
217	pallipes, Lereboullet.
218	fluviatilis, Rondelet.
219	leptodactylus, Eschholz.
220	torrentium, Schrank.
	Nephrops, Leach.
221	Norvegicus, Linné.
	Nephropsis, Wood Mason.
222	*atlantica, Norman.
	Order IV.—CARIDA.
	Crangon, Fabricius.
223	vulgaris, Linné.
224	Allmani, Kinahan.
225	spinosus, Leach.
226	Norvegicus, M. Sars.
227	*brevirostris, S. J. Smith.
228	echinulatus, M. Sars.
229	nanus, Kröyer.
230	fasciatus, Risso.
231	neglectus, G. O. Sars.
232	trispinosus, Bell.
233	Jacqueti, A. M. Edw.
234	sculptus, Bell.
235	cataphractus, Olivi.
	Nectocrangon, Brandt
236	lar, Kröyer.

- Sclerocrangon, G. O. Sars.**
- 237 boreas, Kröyer.
 238 salebrosus, Owen.
 = *Cheraphilus ferox*, G. O. Sars.
 239 **Agassizii*, S. J. Smith.
- Sabinea, Owen.**
- 240 *septemcarinata*, Kröyer.
 241 **Sarsi*, S. J. Smith.
 242 **princeps*, S. J. Smith.
- Glyptocrangon, A. Milne Edwards.**
- 243 **sculptus*, S. J. Smith.
- Nika, Risso.**
- 244 *edulis*, Risso.
- Gnathophyllum, Latreille.**
- 245 *elegans*, Latreille.
- Lysmata, Risso.**
- 246 *seticaudata*, Risso.
- Athanas, Leach.**
- 247 *nitescens*, Leach.
- Alpheus, Fabricius.**
- 248 *ruber*, H. M. Edw.
 249 *dentipes*, Guerin.
 250 *megacheles*, Hailstone.
 =A. *Edwardsi*, Bate.
 =A. *affinis*, Guise.
- 251 Costæ, Prestandree.
 =A. *lævimanus*, Heller.
- Cryptochelæ, G. O. Sars.**
- 252 **pygmæa*, G. O. Sars.
- Bythocaris, G. O. Sars.**
- 253 *simplicirostris*, G. O. Sars.
- 254 Payeri, Heller.
- Spirontocaris, Bate.**
- 255 *spinus*, Sowerby.
 256 **securifrons*, Norman.
 257 *macilenta*, Kröyer.
 258 *Phippsii*, Kröyer.
 =turgida, Kröyer, ♂.
- 259 *grœnlandica*, Fabricius.
- 260 *polaris*, Sabine.
 = *H. cultellata*, Norman.
 = *H. borealis*, Ross, ♂.
- 261 Gaimardi, H. M. Edw.
 = *H. pandaliformis*, Bell.
- 262 Cranchii, Leach.
 = *H. Yarrellii*, Thompson.
- 263 pusiola, Kröyer.
 = *H. Barleei*, Bate.
 = *H. Andrewsii*, Kinahan.
- 264 Fabricii, Kröyer.
- Spirontocaris, Bate.—continued.**
- 265 *tenuirostratus*, H. M. Edw.
 266 *microceros*, Kröyer.
- Hippolyte, Leach.**
- 267 *varians*, Leach.
 268 var. *fasciger*, Gosse.
 269 *viridis*, Otto.
 = *H. Whitei* and
 Mitchelli, Thompson.
- 270 **producta*, Norman.
 271 **gracilis*, Heller.
 272 *leptocarpus*, Heller.
 273 **zostericola*, S. J. Smith.
 274 *pleuracanthus*, Stimpson.
- Pandalus, Leach.**
- 275 *narwal*, H. M. Edw.
 276 *pristis*, Risso.
 277 Montagui, Leach.
 278 Bonnier, Caullery.
 279 *propinquus*, G. O. Sars.
 280 *borealis*, Kröyer.
 281 **leptocerus*, S. J. Smith.
- Pandalina, Calman.**
- 282 *brevirostris*, Rathke.
 = *H. Thompsoni*, Bell.
- Latreutes, Stimpson.**
- 283 *ensifer*, H. M. Edw.
- Caridina, H. M. Edwards.**
- 284 Desmarestii, Ioly.
- Pontonia, Latreille.**
- 285 *tyrrhena*, Risso.
 286 *phallusiæ*, Marion.
 287 *flavomaculata*, Heller.
- Typton, Costa.**
- 288 *spongicola*, Costa.
- Anchistia, Dana.**
- 289 *scripta*, Risso.
 = *Dennisia sagittifera*, Norman.
- Brachycarpus, Bate.**
- 290 *neapolitanus*, Cano.
- Caridion, Goes.**
- 291 Gordoni, Bate.
- Leander, Desmarest.**
- 292 *serratus*, Pennant.
 293 *squilla*, Leach.
 294 monst. *minans*, Norman.
 295 *Edwardsii*, Heller.
 296 *xiphias*, Risso.
 297 *rectirostris*, Zaddach.
 298 *tenuicornis*, Say.

- Leander**, Desmarest.—continued.
- 299 *Treillianus*, Risso.
 = *P. Leachii*, Bell.
- Palæmonetes**, Heller.
- 300 *varians*, Leach.
- 301 *vulgaris*, Say.
- Acanthephrya**, A. M. Edwards.
- 302 **Agassizii*, S. J. Smith.
- Nematocarcinus**, A. M. Edwards.
- 303 **ensifer*, S. J. Smith.
- Hymenodora**, G. O. Sars.
- 304 *glacialis*, Buchholz.
- Parapasphe**, S. J. Smith.
- 305 **sulcatafrons*, S. J. Smith.
- Pasphe**, Savigny.
- 306 *tarda*, Kröyer.
- 307 *sivado*, H. M. Edw.
- Stenopus**, Latreille.
- 308 *spinosus*, Risso.
- Sicyonia**, H. M. Edwards.
- 309 *carinata*, Olivi.
- Penæus**, Fabricius.
- 310 *caramote*, Risso.
- 311 *foliaceus*, Risso.
- Solenocera**, Lucas.
- 312 *siphonocera*, Philippi.
 = *S. Philippii*, Lucas.
- Parapenæus**, S. J. Smith.
- 313 *membranaceus*, Risso.
 = *P. longirostris*, Lucas.
- 314 **politus*, S. J. Smith.
- 315 *constrictus*, Stimpson.
- Amalopenæus**, S. J. Smith.
- 316 **elegans*, S. J. Smith.
- Sergestes**, H. M. Edwards.
- 317 *arcticus*, Kröyer.
- 318 *Meyeri*, Metzger.

Order V.—SCHIZOPODA.

- Lophogaster**, M. Sars.
- 319 *typicus*, M. Sars.
 = **Ctenomysis alata*, Norman.
- Nematoscelis**, G. O. Sars.
- 320 **borealis*, Norman.
- Thysanoessa**, T. Brandt.
- 321 *neglecta*, Kröyer.
 = *Th. borealis*, G. O. Sars.
- 322 *longicaudata*, Kröyer.
 = *Th. tenera*, G. O. Sars.

- Boreophausia**, G. O. Sars.
- 323 *inermis*, Kröyer.
- 324 *Raschii*, M. Sars.
- Nyctiphanes**, G. O. Sars.
- 325 *norvegica*, M. Sars.
- 326 **Couchii*, Bell.
- Siriella**, Dana.
- 327 **norvegica*, G. O. Sars.
- 328 **Brooki*, Norman.
- 329 *Clausii*, G. O. Sars.
- 330 *armata*, H. M. Edw.
- 331 *jaltensis*, Czern.
 = *S. crassipes*, G. O. Sars.
- Pseudosiriella**, Claus.
- 332 *frontalis*, H. M. Edw.
- Gastrosaccus**, Norman.
- 333 *spinifer*, Goës.
- 334 *sanctus*, Van Ben.
- 335 *Normani*, G. O. Sars.
- Anchialus**, G. O. Sars.
- 336 *agilis*, G. O. Sars.
- Heteromysis**, S. J. Smith.
- 337 **formosa*, S. J. Smith.
 = *H. norvegica*, G. O. Sars.
- Erythrops**, G. O. Sars.
- 338 *erythrophthalma*, Goës.
 = **Nematopus Goesi*, G. O. Sars.
- 339 **elegans*, G. O. Sars.
 = *E. pygmæa*, G. O. Sars.
- 340 **serrata*, G. O. Sars.
- 341 **abyssorum*, G. O. Sars.
- Parerythrops**, G. O. Sars.
- 342 **obesa*, G. O. Sars.
- 343 **abyssicola*, G. O. Sars.
- Mysidopsis**, G. O. Sars.
- 344 **didelphys*, Norman.
- 345 **gibbosa*, G. O. Sars.
- 346 **angusta*, G. O. Sars.
- 347 **hibernica*, Norman.
- Boreomysis**, G. O. Sars.
- 348 **arctica*, Kröyer.
- 349 **tridens*, G. O. Sars.
- 350 **megalops*, G. O. Sars.
- 351 *nobilis*, G. O. Sars.
- 352 *scyphops*, G. O. Sars.
- Pseudomma**, G. O. Sars.
- 353 **roseum*, G. O. Sars.
- 354 **affine*, G. O. Sars.
- 355 **truncatum*, S. J. Smith.
- Amblyops**, G. O. Sars.
- 356 **abbreviata*, G. O. Sars.

	Leptomysis, G. O. Sars.		Squilla, Fabricius.—continued.
357	*gracilis, G. O. Sars.	388	empusa, Say.
	=*Mysidopsis hispida, Norman.	389	Desmarestii, Risso.
358	*lingvura, G. O. Sars.	390	Pseudosquilla, Dana.
359	mediterranea, G. O. Sars.		Cerisi, Roux.
360	apiops, G. O. Sars.	391	Lysiosquilla, Dana.
361	truncata, Heller.		eusebia, Risso.
	=L. sardica, G. O. Sars.		
	Hemimysis, G. O. Sars.		
362	Lamornæ, Couch.		Order VII.—CUMACEA.
363	*abyssicola, G. O. Sars.		
	Macropsis, G. O. Sars.		Cuma, H. Milne Edwards.
364	Slabberi, J. Van Ben.	392	scorpioides, Mont.
	Macromysis, A. White.		=C. Edwardsii, Goodsir.
365	flexuosa, Müller.	393	arenosa, Goodsir.
366	*neglecta, G. O. Sars.		=C. scorpioides, G. O. Sars.
367	inermis, Rathke.	394	pulchella, G. O. Sars.
	Schistomysis, Norman.		Iphinoe, Bate.
368	*spiritus, Norman.	395	trispinosa, Goodsir.
369	*ornata, G. O. Sars.	396	*serrata, Norman.
370	var. *Kervillei, G. O. Sars.	397	tenella, G. O. Sars.
371	*Parkeri, Norman.		Cyclaspis, G. O. Sars.
372	Helleri, G. O. Sars.	398	*longicaudata, G. O. Sars.
373	arenosa, G. O. Sars.		Lamprops, G. O. Sars.
374	assimilis, G. O. Sars.	399	*fasciata, G. O. Sars.
	Diamysis, Czerniavsky.	400	*fuscata, G. O. Sars.
375	bahirensis, G. O. Sars.		Hemilamprops, G. O. Sars.
	Mysis, Latreille.	401	*rosea, Norman.
376	oculata, Fabr.	402	*assimilis, G. O. Sars.
377	*relicta, Lovén.	403	*cristata, G. O. Sars.
	Mesomysis, n.g.	404	*uniplicata, G. O. Sars.
378	mixta, Lilljeborg.		Platyaspis, G. O. Sars.
379	*stenolepis, S. J. Smith.	405	*typica, G. O. Sars.
	Mysideis, G. O. Sars.		Cumopsis, G. O. Sars.
380	*insignis, G. O. Sars.	406	Goodseri, J. Van Ben.
	Acanthomysis, Czerniavsky.	407	longipes, Dohrn.
381	longicornis, H. M. Edw.		Vaunthompsonia, Bate.
	Neomysis, Czerniavsky.	408	cristata, Bate.
382	vulgaris, Thompson.		Leucon, Kröyer.
383	*americana, S. J. Smith.	409	nasiça, Kröyer.
	Stiliomysis, Norman.	410	nasicoidea, Lilljeborg.
384	*grandis, Goës.	411	*fulvus, G. O. Sars.
	Mysidella, G. O. Sars.	412	*pallidus, G. O. Sars.
385	*typica, G. O. Sars.	413	*acutirostris, G. O. Sars.
386	*typhlops, G. O. Sars.	414	longirostris, G. O. Sars.
		415	*serratus, Norman.
		416	*brevirostris, Norman.
			Eudorella, Norman.
		417	emarginata, Kröyer.
		418	truncatula, Bate.
387	mantis, De Geer,	419	*hirsuta, G. O. Sars.
		420	*pusilla, G. O. Sars.

Order VI.—STOMATOPODA.

Squilla, Fabricius.
387 mantis, De Geer,

- Eudorella**, Norman.—continued.
- 421 **hispida*, G. O. Sars.
 422 *nana*, G. O. Sars.
 423 **integra*, S. J. Smith.
Eudorellopsis, G. O. Sars.
 424 *deformis*, Kröyer.
Chalarostylis, Norman.
 425 **elegans*, Norman.
Diastylis, Say.
 426 Rathkei, Kröyer.
 var. *Sarsi*, Norman.
 Sars, Cumacea, p. 107.
 428 *cornuta*, Boeck.
 429 *rugosa*, G. O. Sars.
 = *D. strigata*, Norman, ♂.
 430 *lucifera*, Kröyer.
 431 **lævis*, Norman.
 432 **tumida*, Lilljeborg.
 433 *Goodseri*, Bell.
 434 *spinulosa*, Heller.
 435 *echinata*, Bate.
 436 *scorpioides*, Lepechen.
 = *C. Edwardsii*, Kröyer.
 437 **sculpta*, G. O. Sars.
 438 *polaris*, G. O. Sars.
 439 *stygia*, G. O. Sars.
 440 **quadrispinosa*, G. O. Sars.
 441 **picta*, Stuxberg.
 bispinosa, Stimpson.
 442 **Bradii*, Norman.
 443 *neapolitana*, G. O. Sars.
 444 **armata*, Norman.
 445 **politina*, S. J. Smith.
 446 *insignis*, G. O. Sars.
 448 *Josephinæ*, G. O. Sars.
 449 *longipes*, G. O. Sars.
Diastyloides, G. O. Sars.
 450 **serrata*, G. O. Sars.
 451 **biplicata*, G. O. Sars.
 = **lamellata* ♀ and **Calveri* ♂,
 Norman.
Diastylopsis, G. O. Sars.
 452 *resima*, Kröyer.
Leptostylis, G. O. Sars.
 453 **longimana*, G. O. Sars.
 454 **ampullacea*, Lilljeborg.
 455 **macrura*, G. O. Sars.
 456 **villosa*, G. O. Sars.
Pseudocuma, G. O. Sars.
 457 *cercaria*, J. Van Ben.
 458 *similis*, G. O. Sars.

- Petalosarsia**, Stebbing.
 459 **declivis*, G. O. Sars.
Cumella, G. O. Sars.
 460 *limicola*, G. O. Sars.
 461 *pygmæa*, G. O. Sars.
Nannastacus, Spence Bate.
 462 *unguiculatus*, Bate.
Spencebata, Norman.
 463 **abyssicola*, Norman.
Campylaspis, G. O. Sars.
 464 **rubicunda*, Lilljeborg.
 465 **sulcata*, G. O. Sars.
 466 **costata*, G. O. Sars.
 467 **undata*, G. O. Sars.
 468 **verrucosa*, G. O. Sars.
 469 **horrida*, G. O. Sars.
 470 *macrophthalma*, G. O. Sars.
- Order VIII.—ISOPODA.**
- Apseudes**, Leach.
- 471 *talpa*, Montagu.
 472 *Latreillii*, M. Edw.
 473 *spinosis*, M. Sars.
 474 **uncidigitatus*, Nor. and Stebb.
 475 **simplicirostris*, Nor. and Stebb.
 476 **grossimanus*, Norman.
 = *A. tricornis*, Norman, M. S.
 477 **gracilis*, Nor. and Stebb.
 478 **lunarifrons*, Nor. and Stebb.
 = *A. echinatus*, G. O. Sars.
- Apseudopsis**, Norman and Stebbing.
- 479 *acutifrons*, G. O. Sars.
 480 **hastifrons*, Nor. and Stebb.
 = *A. Latreillii*, Claus (nec M. Edw.)
- Sphyrapus**, Norman and Stebbing.
- 481 **malleolus*, Nor. and Stebb.
 482 **tudes*, Nor. and Stebb.
 483 **anomalus*, G. O. Sars.
- Tanaïs**, H. M. Edwards.
- 484 *Cavolinii*, H. M. Edw.
 = *T. vittatus*, Rathke.
 485 *Chevreuxi*, A. Dollf.
 = *T. Cavolinii*, G. O. Sars.
 486 *Dulongii* (And.) Bate and West.
- Heterotanaïs**, G. O. Sars.
- 487 *Oerstedii*, Kröyer.
 488 *anomalus*, G. O. Sars.
- Alaotanaïs**, Norman and Stebbing.
- 489 **serratospinosus*, Nor. and Stebb.

	Alaotanais , Norman and Stebbing.— continued.	Paranthura , Bate and Westwood.
490	* <i>lævispinosus</i> , Nor. and Stebb. = <i>Leptocheilia elegans</i> , Norman, M. S.	519 <i>nigropunctata</i> , Lucas. = <i>P. costana</i> , B. and W.
491	* <i>hastiger</i> , Nor. and Stebb. = <i>Leptocheilia affinis</i> , Norman, M. S.	520 * <i>tenuis</i> , G. O. Sars.
	Leptocheilia , Dana.	Calathura , Norman and Stebbing.
492	<i>algicola</i> , Hargir. = <i>L. dubia</i> , G. O. Sars (nec Kröyer).	521 <i>brachiata</i> , Stimpson. 522 *var. <i>norvegica</i> , G. O. Sars.
493	Savignii, Kröyer. = <i>L. Edwardsii</i> , Bate and West.	Gnathia , Leach.
	Paratanais , Dana.	523 <i>maxillaris</i> , Mont. 524 <i>vorax</i> , Lucas. 525 <i>elongata</i> , G. O. Sars. 526 * <i>dentata</i> , G. O. Sars.
494	Batei, G. O. Sars.	Livoneca , Leach.
	Typhlotanais , G. O. Sars.	527 <i>mediterranea</i> , Heller. 528 <i>Redmanni</i> , Leach.
495	<i>brevicornis</i> , Lillj.	Olencira , Leach.
496	* <i>microcheles</i> , G. O. Sars.	529 <i>prægustator</i> , Latrobe.
497	æ <i>quiremis</i> , Lillj.	Anilocra , Leach.
498	<i>tenuicornis</i> , G. O. Sars.	530 <i>physodes</i> , Lin.
499	* <i>finmarchicus</i> , G. O. Sars.	531 <i>frontalis</i> , H. M. Edw.
500	<i>tenuimanus</i> , Lillj.	532 <i>laticauda</i> , H. M. Edw.
501	<i>assimilis</i> , G. O. Sars.	Nerocila , Leach.
	Leptognathia , G. O. Sars.	533 <i>bivittata</i> , Risso. 534 <i>neapolitana</i> , Schi. and Mein. 535 <i>munda</i> , Harger. 536 <i>maculata</i> , H. M. Edw. 537 <i>affinis</i> , H. M. Edw.
502	<i>longiremis</i> , Lillj.	Ceratothoa , Dana.
503	<i>breviremis</i> , Lillj.	538 <i>cestroides</i> , Risso.
504	<i>brevimana</i> , Lillj.	539 <i>parallella</i> , Otto.
505	<i>dentifera</i> , G. O. Sars.	540 <i>Emetha</i> , Schiödte and Meinert.
506	<i>filiformis</i> , Lillj.	541 <i>Audouinii</i> , H. M. Edw.
	Tanaopsis , G. O. Sars.	Glossobius , Schiödte and Meinert.
507	<i>laticaudata</i> , G. O. Sars.	542 <i>linearis</i> , Dana.
	Haplocope , G. O. Sars.	Cymothoa , Fabricius.
508	* <i>angusta</i> , G. O. Sars.	543 <i>œstrum</i> , Lin.
	Strongylura , G. O. Sars.	Æga , Leach.
509	* <i>cylindrata</i> , G. O. Sars.	544 * <i>crenulata</i> , Lütken.
510	* <i>arctophylax</i> , Nor. and Stebb.	545 <i>Strömiæ</i> , Lütken.
	Tanaella , Norman and Stebbing.	546 <i>psora</i> , Lin.
511	* <i>unguicillata</i> , Nor. and Stebb.	547 <i>monophthalma</i> , Johnston.
	Anarthrura , G. O. Sars.	548 * <i>arctica</i> , Lütken.
512	* <i>simplex</i> , G. O. Sars.	549 <i>tridens</i> , Leach.
	Pseudotanais , G. O. Sars.	550 <i>ventrosa</i> , M. Sars. = * <i>Ægiochus Nordenskiöldii</i> , Bov.
513	<i>forcipatus</i> , Lillj.	551 <i>Déshayesiana</i> , H. M. Edw.
	Anthura , Leach.	Syscenus , Harger.
514	<i>gracilis</i> , Mont.	552 * <i>infelix</i> , Harger.
	Cyathura , Norman and Stebbing.	Rocinela , Leach.
515	<i>carinata</i> , Kröyer.	553 <i>danmoniensis</i> , Leach. 554 <i>Dumerillii</i> , Lucas.
	Anthelura , Norman and Stebbing.	
516	* <i>elongata</i> , Norman.	
517	* <i>abyssorum</i> , Nor. and Stebb.	
	Hyssura , Norman and Stebbing.	
518	* <i>producta</i> , Nor. and Stebb.	

	Conilera, Leach.	Idotea, Fabricius.—continued.
554	cylindracea, Mont.	587 *neglecta, G. O. Sars.
	Cirolana, Leach.	588 Basteri, Aud.
555	borealis, Lillj.	589 emarginata, Leach.
	=C. spinipes, Bate and West.	590 pelagica, Leach.
556	neglecta, Hansen.	591 *phosphorea, Harger.
557	Cranchii, Leach.	592 metallica, Bosc.
558	concharum, Stimp.	593 hectica, Latr.
	Eurydice, Leach.	594 linearis, Lin.
559	<i> </i> pulchra, Leach.	Zenobiana, Stebbing.
560	*truncata, Norman.	595 prismatica, Risso.
561	Grimaldii, A. Dollfus.	= I. parallella, Bate and West.
	=*E. elegantula, Hansen.	Synidotea, Harger.
562	spinigera, Hansen.	596 nodulosa, Kröyer.
563	inermis, Hansen.	597 bicuspida, Owen.
	=*E. polydendrica, Nor. and Stebb., M. S.	Edotea, Guerin-Meneville.
	Sphaeroma, Latreille.	598 triloba, Say.
564	serratum, Fab.	599 montosa, Stimpson.
565	rugicauda, Leach.	Stenosoma, Leach.
566	Hookeri, Leach.	600 appendiculatum, Risso.
567	curtum, Leach.	601 lancifer, Leach.
568	Prideauxianum, Leach.	Erichsonella, H. Richardson.
569	granulatum, H. M. Edw.	602 *attenuata, Harger.
570	quadridentatum, Say.	603 filiformis, Say.
571	tridentatum, Grube.	Arcturus, Latreille.
572	*Bolivari, De Buen.	604 Baffini, Sabine.
573	gibbosum, H. M. Edw.	605 tuberosus, G. O. Sars.
	Cymodocea, Leach.	606 hystrix, G. O. Sars.
574	pilosa, H. M. Edw.	Astacilla, Cordiner.
575	truncata, Leach.	607 longicornis, Sow.
	Dynamene, Leach.	=A. gracilis, Goodsir, ♂.
576	versicolor, Rathke.	608 intermedia, Goodsir.
	=D. rubra and viridis, Leach.	=A. affinis, G. O. Sars.
	=D. varians, Stebbing.	609 pusilla, G. O. Sars.
	Næsa, Leach.	610 Deshayesii, Lucas.
577	bidentata, Adams.	=*A. linearis, Stebb.
	Campeopea, Leach.	611 granulata, G. O. Sars.
578	hirsuta, Mont.	=A. americana, Harger.
	Limnoria, Leach.	Arcturella, G. O. Sars.
579	lignorum, Rathke.	612 *damnoniensis, Stebb.
	Glyptonotus, Eights.	613 dilatata, G. O. Sars.
580	entomon, Lin.	Asellus, G. St. Hilaire.
581	Sabini, Kröyer.	614 aquaticus, Lin.
582	cæcus, Say.	615 grøenlandicus, Kröyer.
583	Tuftsii, Stimpson.	616 *coxalis, A. Dollfus.
	Idotea, Fabricius.	Janira, Leach.
584	balthica, Pallas.	617 maculosa, Leach.
585	viridis, Slabber.	618 tricornis, Kröyer.
	=I. salinarum, A. Dollfus.	Ianthe, Bovallius.
586	granulosa, Rathke.	619 spinosa, Bovallius.
		620 *laciniata, G. O. Sars.

	Janiroopsis, G. O. Sars.	Pseudarachna, G. O. Sars.
621	* <i>breviremis</i> , G. O. Sars.	* <i>hirsuta</i> , G. O. Sars.
	Jæra, Leach.	Eurycope, G. O. Sars.
622	<i>marina</i> , Fabr. = <i>J. albifrons</i> , Leach.	* <i>cornuta</i> , G. O. Sars.
623	* <i>Guernei</i> , A. Dollfus.	* <i>phalangium</i> , G. O. Sars.
	Jæropsis, Koehler.	* <i>furcata</i> , G. O. Sars.
624	* <i>brevicornis</i> , Koehler.	* <i>mutica</i> , G. O. Sars.
625	* <i>Dollfusi</i> , Norman.	* <i>producta</i> , G. O. Sars.
	Munna, Boeck.	* <i>gigantea</i> , G. O. Sars.
626	<i>Boeckii</i> , Kröyer.	Ligia, Fabricius.
627	<i>Fabricii</i> , Kröyer.	660 <i>oceanica</i> , Lin.
628	<i>Kröyeri</i> , Goodsir.	661 <i>italica</i> , Fabr.
629	<i>palmata</i> , Lillj.	Ligidium, Brandt.
630	* <i>limicola</i> , G. O. Sars.	662 <i>hypnorum</i> , Cuvier.
	Paramunna, G. O. Sars.	Trichoniscus, Brandt.
631	<i>bilobata</i> , G. O. Sars.	663 <i>pusillus</i> , Brandt.
	Pleurogonium, G. O. Sars.	664 <i>roseus</i> , Koch.
632	* <i>rubicundum</i> , G. O. Sars.	665 <i>vividus</i> , Koch.
633	* <i>spinosissimum</i> , G. O. Sars.	666 * <i>pygmæus</i> , G. O. Sars.
634	* <i>inerme</i> , G. O. Sars.	Trichoniscoides, G. O. Sars.
	Dendroton, G. O. Sars.	667 <i>albidus</i> , B. Lund.
635	* <i>spinosum</i> , G. O. Sars.	Haplophthalmus, Schöbl.
	Nannoniscus, G. O. Sars.	668 <i>Mengii</i> , Zaddach.
636	<i>bicuspis</i> , G. O. Sars.	669 <i>danicus</i> , B. Lund.
637	* <i>oblongus</i> , G. O. Sars.	Titanethes, Schiödte.
	Macrostylis, G. O. Sars.	670 <i>albus</i> , Koch.
638	<i>spinifera</i> , G. O. Sars.	Tylos, Latreille.
639	* <i>longicornis</i> , Meinert.	671 Latreillei, Aud. and Sav.
	Ischnosoma, G. O. Sars.	Helleria, Ebner.
640	* <i>bispinosum</i> , G. O. Sars.	672 brevicornis, Ebner.
641	<i>quadrispinosum</i> , G. O. Sars.	Armadillo, Latreille.
	Desmosoma, G. O. Sars.	673 <i>officinalis</i> , Desmarest.
642	* <i>lineare</i> , G. O. Sars.	674 var. * <i>syriaca</i> , A. Doll.
643	* <i>armatum</i> , G. O. Sars.	675 * <i>albomarginatus</i> , A. Doll.
	Eugerda, Meinert.	676 Mayeti, E. Simon.
644	<i>tenuimana</i> , G. O. Sars.	677 * <i>canariensis</i> , A. Doll.
645	* <i>globiceps</i> , Meinert.	Eluma, Budde Lund.
	Echinopleura, G. O. Sars.	678 <i>purpurascens</i> , B. Lund.
646	* <i>aculeata</i> , G. O. Sars.	Armadillidium, Brandt.
	Munnopsis, M. Sars.	679 * <i>Apfelbecki</i> , A. Doll.
647	* <i>typica</i> , M. Sars.	680 assimile, B. Lund.
	Ilyarachna, G. O. Sars.	681 <i>badium</i> , B. Lund.
648	* <i>longicornis</i> , G. O. Sars.	682 * <i>Davidi</i> , A. Doll.
649	* <i>hirticeps</i> , G. O. Sars.	683 <i>decorum</i> , B. Lund.
650	* <i>denticulata</i> , G. O. Sars.	684 <i>depressum</i> , Brandt.
	Echinozone, G. O. Sars.	685 * <i>Esterelanum</i> , A. Doll.
651	* <i>coronata</i> , G. O. Sars.	686 <i>fallax</i> , Brandt.
	Aspidarachna, G. O. Sars.	687 <i>frontirostre</i> , B. Lund.
652	* <i>clypeata</i> , G. O. Sars.	688 * <i>furcatum</i> , B. Lund.
		689 <i>granulatum</i> , Brandt.
		690 <i>hirtum</i> , B. Lund.

Armadillidium, Brandt.—continued.

- 691 Klugii, Brandt.
 692 maculatum, Fabricius.
 693 muricatum, B. Lund.
 694 *nasatum, B. Lund.
 695 opacum, Koch.
 696 var. *alpestre, A. Doll.
 697 Pallasii, Brandt.
 698 pictum, Brandt.
 699 pulchellum, Zenker.
 700 quinquepustulatum, B. Lund.
 701 *sanctum, A. Doll.
 702 *scabrum, A. Doll.
 703 *Simoni, A. Doll.
 704 *sordidum, A. Doll.
 705 sulcatum, H. M. Edw.
 706 *versicolor, A. Doll.
 707 vulgare, Latreille.
 708 var. decipiens, Brandt.
 709 Zenkeri, Brandt.

Clysticus, Schnitzler.

- 710 convexus, De Geer.
 711 *gracilipennis, B. Lund.

Porcellio, Latreille.

- 712 affinis, Koch.
 713 albinus, B. Lund.
 714 *amoenus, A. Doll.
 715 *angustulus, B. Lund.
 716 arcuatus, B. Lund.
 717 auritus, B. Lund.
 718 *Barroissi, A. Doll.
 719 bistriatus, B. Lund.
 720 blattarius, B. Lund.
 721 *Bolivari, A. Doll.
 722 Bovei, Lucas.
 723 *brevipennis, B. Lund.
 724 *Budde-Lundi, E. Simon.
 725 *canariensis, A. Doll.
 726 *contractus, A. Doll.
 727 *De Bueni, A. Doll.
 728 dilatatus, Brandt.
 729 echinatus, Lucas.
 730 ficulneus, B. Lund.
 731 *flavocinctus, B. Lund.
 732 Hoffmannseggii, B. Lund.
 733 imbutus, B. Lund.
 734 lævis, Latreille.
 735 lamellatus, Uljanin.
 736 latissimus, B. Lund.
 737 *longicauda, B. Lund.
 738 lugubris, Koch.

Porcellio, Latreille.—continued.

- 739 *magnificus, A. Doll.
 740 marginenotatus, B. Lund.
 741 marginalis, B. Lund.
 742 montanus, B. Lund.
 743 monticola, Lereb.
 744 obsoletus, B. Lund.
 745 occultus, B. Lund.
 746 *ocellatus, B. Lund.
 747 Olivier, Aud. and Sav.
 748 ornatus, H. M. Edw.
 749 *pallidus, B. Lund.
 750 pictus, Brandt.
 751 platysoma, Brandt.
 752 politus, Koch.
 753 *præustus, B. Lund.
 754 *provincialis, A. Doll.
 755 pumicatus, B. Lund.
 756 *purpureus, B. Lund.
 757 *pyrenæus, A. Doll.
 758 *ragusæ, A. Doll.
 759 Rathkei, Brandt.
 760 Ratzeburgi, Brandt.
 761 scaber, Latreille.
 762 var. *maritima, A. Doll.
 763 var. *arenaria, A. Doll.
 764 *simulator, B. Lund.
 765 spinipennis, B. Lund.
 766 *spinipes, A. Doll.
 767 *succinctus, B. Lund.
 768 *transmutatus, B. Lund.
 769 variabilis, Lucas.
 770 violaceus, B. Lund.
 771 *Wagneri, B. Lund.
Hemilepistus, Budde Lund.
 772 Reaumurii, Aud. and Sav.
Metaponorthus, Budde Lund.
 773 cingendus, Kinahan.
 774 *coxalis, B. Lund.
 775 *frontosus, B. Lund.
 776 *fuscomarmoratus, B. Lund.
 777 glaber, Koch.
 778 *lacteolus, B. Lund.
 779 littoralis, B. Lund.
 780 melanurus, B. Lund.
 781 meleagris, B. Lund.
 782 myrmecophilus, B. Lund.
 783 orientalis, Uljanin.
 784 *philoscoides, B. Lund.
 785 planus, B. Lund.
 786 pruinosis, Brandt.

	Metaponorthus, Budde Lund. —continued.	Aspidophryxus, G. O. Sars.
787	var. <i>Swammerdamii</i> , Aud. and Sav.	824 <i>peltatus</i> , G. O. Sars.
788	* <i>rufocinctus</i> , A. Doll.	825 <i>Sarsi</i> , Giard and Bonn.
789	<i>sexfasciatus</i> , Koch.	Phryxus, Rathke.
	Leptotrichus, Budde Lund.	826 <i>abdominalis</i> , Rathke.
790	Panzeri, Aud. and Sav.	Athelges, Hesse.
791	<i>caudatus</i> , A. Doll.	827 <i>paguri</i> , Rathke.
792	<i>tauricus</i> , B. Lund.	Bopyrina, Kossman.
793	<i>ciliatus</i> , B. Lund.	828 <i>Giardi</i> , Bonnier.
	Bythotropa, Budde Lund.	Bopyroides, Stimpson.
794	* <i>hispana</i> , A. Doll.	829 <i>Sarsi</i> , Bonnier.
795	* <i>thermophila</i> , A. Doll.	830 * <i>furcata</i> , Norman, n. sp.
796	* <i>Meinerti</i> , B. Lund.	Bopyrus, Latreille.
797	* <i>granulata</i> , A. Doll.	831 <i>squillarum</i> , Latr.
	Lucasius, Kinahan.	832 <i>Helleri</i> , Giard and Bonn.
798	* <i>tardus</i> , B. Lund.	Cancricepon, Giard and Bonnier.
799	* <i>albicornis</i> , A. Doll.	833 * <i>elegans</i> , Giard and Bonn.
800	* <i>Normani</i> , A. Doll.	Grapsicepon, Giard and Bonnier.
801	<i>myrmecophilus</i> , Lucas.	834 * <i>Edwardsii</i> , Giard and Bonn.
802	* <i>hirtus</i> , A. Doll.	Gyge, Cornalia and Panceri.
803	<i>pallidus</i> , B. Lund.	835 <i>branchialis</i> , Cor. and Pan. = <i>G. galatheæ</i> , Bate and West. ¹
	Chavesia, A. Dollfus.	Ione, Latreille.
804	* <i>costulata</i> , A. Doll.	836 <i>thoracica</i> , Montagu.
	Platyarthrus, Brandt.	Pleurocrypta, Hesse.
805	Hoffmanseggi, Brandt.	837 <i>galatheæ</i> , Hesse.
806	* <i>Schöblii</i> , B. Lund.	838 <i>strigosa</i> , Giard and Bonn.
807	* <i>caudatus</i> , A. Doll.	839 <i>marginata</i> , G. O. Sars. = <i>P. Hendersoni</i> , Giard and Bonn.
	Oniscus, Linné.	840 <i>longibranchiata</i> , Bate and West.
808	<i>asellus</i> , Lin.	Pseudione, Kossman.
809	* <i>Simoni</i> , B. Lund.	841 <i>Hyndmanni</i> , Bate and West.
	Philoscia, Latreille.	842 <i>confusa</i> , Norman.
810	<i>muscorum</i> , Scopoli.	843 <i>dubia</i> , Bonnier.
811	<i>vittata</i> , Say.	Grapsion, Giard and Bonnier.
812	* <i>Guernei</i> , A. Doll.	844 * <i>Cavolini</i> , Giard.
813	* <i>corsica</i> , A. Doll.	Portunion, Giard and Bonnier.
814	Ehrenbergi, Brandt.	845 * <i>Kossmanni</i> , Giard and Bonn.
815	* <i>pyrenaica</i> , A. Doll.	846 * <i>mænadis</i> , Giard.
816	* <i>cellaria</i> , A. Doll.	Cancrion, Giard and Bonnier.
817	* <i>elongata</i> , A. Doll.	847 * <i>miser</i> , Giard and Bonn.
	Armadilloniscus, Uljanin.	Priapion, Giard and Bonnier.
818	<i>candidus</i> , B. Lund.	848 * <i>Fraissei</i> , Giard and Bonn.
819	<i>tuberculatus</i> , A. Doll.	
	Cryptothir, Dana.	Order IX.—AMPHIPODA.
820	<i>balani</i> , Bate.	Vibilia, H. Milne Edwards.
	Cyproniscus, Kossman.	849 <i>Jeangerardii</i> , Aud.
821	<i>cypridinæ</i> , G. O. Sars.	850 * <i>erratica</i> , Chevreux.
	Liriopsis, Mac Schultze.	
822	<i>pygmæa</i> , Rathke.	
	Dajus, Kröyer.	
823	<i>mysidis</i> , Kröyer.	

¹ *G. Galatheæ*, *B. and W.*, was found on *Gebia* not on *Galathea* as erroneously recorded by those authors.

	Vibilia, H. Milne Edwards.—continued.	
851	*borealis, Bate.	Brachyscelus, Bate.
852	*hirondellei, Chevreux.	crustulum, Bate.
	Lanceola, Say.	Tryphana, Boeck.
853	Sayana, Bovallius.	Malmii, Boeck.
854	*Murrayi, Norman.	Lycea, Dana.
	Cystosoma, Guérin Méneville.	robusta, Claus.
855	spinosum, Fabr.	Scina, Prestandrea.
	Phronima, Latreille.	borealis, G. O. Sars.
856	sedentaria, Forskal.	Oxycephalus, H. Milne Edwards.
857	atlantica, Guérin.	piscator, H. M. Edw.
858	Colletti, Bovallius.	Talitrus, Latreille.
	Phronimella, Claus.	locusta, Pallas.
859	elongata, Claus.	Orchestia, Latreille.
	Paraphronima, Claus.	littorea, Mont.
860	crassipes, Claus.	mediterranea, Costa.
861	gracilis, Claus.	*agilis, S. I. Smith.
862	clypeatus, Bovallius.	*palustris, S. I. Smith.
	Hyperia, Latreille.	crassicornis, Costa.
863	galba, Mont.	cavimana, Heller.
864	spinipes, Boeck.	Chevreuxi, De Guerne.
865	schizogeneios, Stebbing.	Orchestoidea, Nicolet.
	Parathemisto, Boeck.	Deshayesii, Aud.
866	oblivia, Kröyer.	Fischeri, H. M. Edw.
867	gracilipes, Norman.	brito, Stebbing.
	Euthemisto, Bovallius.	Talorchestia, Dana.
868	libellula, Mandt.	longicornis, Say.
869	bispinosa, Boeck.	megalophthalmus, Bate.
870	compressa, Goës.	Hyale, Rathke.
	Hyperoche, Bovallius.	Nilssonii, Rathke.
871	tauriformis, Bate and West.	*Buccichi, Heller.
	= H. Kröyeri, Bovallius.	Lubbockiana, Bate.
	Phrosina, Risso.	= Allorchestes, imbricatus, B. and W.
872	semilunata, Risso.	plumicornis, Heller.
	Anchylomera, H. Milne Edwards.	littoralis, Stimpson.
873	Blossevillii, H. M. Edw.	*crassipes, Heller.
	Platyscelus, Bate.	*camptonyx, Heller.
874	serrulatus, Stebbing.	Prevostii, H. M. Edw.
	= E. serratus, Claus.	= O. Pericri, Lucas.
	Hemityphis, Claus.	*Stebbingii, Chevreux.
875	*tenuimanus, Claus.	*Grimaldi, Chevreux.
	Tetrathyrsus, Claus.	Trischizostoma, Boeck.
876	*forcipatus, Claus.	Raschi, Boeck.
	Amphithyrsus, Claus.	Normanion, Bonnier.
877	*bispinosus, Claus.	quadrimana, Bate and West.
	Thyropus, Risso.	*amblyops, G. O. Sars.
878	ovoides, Risso.	Opisa, Boeck.
	Schizoschelus, Claus.	Eschrichtii, Kröyer.
879	*ornatus, Claus.	Sophrosyne, Stebbing.
	Eupronoe, Claus.	Robertsoni, Stebb. and Rob.
880	*armata, Claus.	

	Acidostoma, Lilljeborg.
914	obesum, Bate.
915	laticorne, G. O. Sars.
	Ichnopus, Costa.
916	spinicornis, Boeck.
917	taurus, A. Costa.
918	affinis, Heller.
	Lysianax, Stebbing.
919	septentrionalis, Della Valle. = L. Costæ, Auct (nec M. Edw.).
920	ceratinus, Walker.
921	longicornis, Lucas.
922	*annulatus, Stuxberg.
923	punctatus, O. G. Costa.
924	*bispinosus, Della Valle.
	Lysianella, G. O. Sars.
925	*petalocera, G. O. Sars.
	Socarnes, Boeck.
926	Vahli, Kröyer.
927	erythophthalmus, Robertson.
928	bidenticulatus, Bate.
	Ambasia, Boeck.
929	Danielsseni, Boeck.
	Aristias, Boeck.
930	neglectus, Hansen.
931	tumidus, Kröyer.
	Perrierella, Chevreux and Bouvier.
932	*Audouiniana, Bate.
	Callisoma, Costa.
933	Hopei, A. Costa. = C. crenata, Bate.
934	Kröyeri, Bruzelius.
	Hippomedon, Boeck.
935	denticulatus, Bate.
936	propinquus, G. O. Sars.
937	Holböllii, Kröyer.
	Cyclocaris, Stebbing.
938	Guilelmi, Chevreux. =*C. faroensis, Norman.
	Paratryphosites, Stebbing.
939	abyssi, Goës.
	Orchomene, Boeck.
940	humilis, A. Costa. = A. *melanophthalmus, Norman. = O. *Batei, G. O. Sars.
941	serratus, Boeck.
942	pectinatus, G. O. Sars.
943	crispatus, Goës.
944	amblyops, G. O. Sars.

	Tryphosa, Boeck.
	=Orchemenella, G. O. Sars.
945	nana, Kröyer. =O. *ciliata, G. O. Sars.
946	minuta, Kröyer.
947	pinguis, Boeck.
948	grøenlandica, Hansen.
	Nannonyx, G. O. Sars.
949	Goesii, Boeck.
	Tryphosella, Bonnier.
	=Tryphosa, G. O. Sars.
950	Sarsi, Bonnier. =T. nana, Sars (nec Kröyer).
951	compressa, G. O. Sars. = *T. abyssi, Norman.
952	Hörringii, Boeck.
953	nanoides, Lilljeborg.
954	angulata, G. O. Sars.
	Orchemenopsis, G. O. Sars.
955	obtusa, G. O. Sars.
	Tryphosites, G. O. Sars.
956	longipes, Bate.
	Schisturella, Norman.
957	pulchra, Hansen.
	Uristes, Dana.
958	umbonata, G. O. Sars.
	Euryporeia, G. O. Sars.
959	gryllus, Mandt.
	Anonyx, Kröyer.
960	nugax, Phipps. =A. lagena, Kröyer.
961	Lilljeborgii, Boeck.
962	Schmardæ, Heller.
	Haplonyx, G. O. Sars.
963	cicada, Fabr. =A. gulosus, Kröyer.
964	similis, G. O. Sars.
965	acus, G. O. Sars.
966	albidus, G. O. Sars.
967	leucophthalmus, G. O. Sars.
968	cæculus, G. O. Sars.
	Centromedon, G. O. Sars.
969	pumilus, Lilljeborg.
	Pseudalibrotus, Della Valle.
970	littoralis, Kröyer.
971	caspicus, Grimm.
	Onesimus, Boeck.
972	Edwardsii, Kröyer. plautus, Kröyer.
973	

	Chironesimus, G. O. Sars.		Harpinia, Boeck. —continued.
974	*caricus, Hansen.	1008	abyssi, G. O. Sars.
975	*brevicaudatus, Hansen.	1009	lævis, G. O. Sars.
976	nobilis, Stimpson.		Ampelisca, Kröyer.
	Menigrates, Boeck.	1010	typica, Bate.
977	obtusifrons, Boeck.	1011	tenuicornis, Lilljeborg.
	Podopriion, Chevreux.	1012	assimilis, Boeck.
978	*Bolivari, Chevreux.	1013	brevicornis, A. Costa. = A. lævigata, Lilljeborg.
	Lepedipectrum, Bate.	1014	*gibba, G. O. Sars.
979	carinatum, Bate.	1015	macrocephala, Lilljeborg.
980	umbo, Goës.	1016	spinipes, Boeck.
	Euonyx, Norman.	1017	Eschrichtii, Kröyer.
981	*chelatus, Norman.	1018	odontoplax, G. O. Sars.
	Pontoporeia, Kröyer.	1019	æquicornis, Bruzelius.
982	femorata, Kröyer.	1020	*anomala, G. O. Sars.
983	affinis, Lindström.	1021	*amblyops, G. O. Sars.
984	*Hoyi, Smith.	1022	*pusilla, G. O. Sars.
985	*setosa, Stuxberg.	1023	*gracilis, S. I. Smith.
	Bathyporeia, Lindström.	1024	limicola, Stimpson.
986	norvegica, G. O. Sars.	1025	diadema, Costa.
987	pelagica, Bate.	1026	rubella, Costa. = *A. serraticaudata, Chevreux.
988	Robertsoni, Bate.	1027	*spinimana, Chevreux.
989	gracilis, G. O. Sars.	1028	*Sarsi, Chevreux.
	Haustorius, Statius Müller.		Byblis, Boeck.
990	arenarius, Slabber.	1029	Gaimardi, Kröyer.
	Urothoe, Dana.	1030	*affinis, G. O. Sars.
991	norvegica, Boeck.	1031	*erythrops, G. O. Sars.
992	pulchella, A. Costa.	1032	crassicornis, Metzger.
993	marina, Bate.		Haploops, Lilljeborg.
994	elegans, Bate.	1033	tubicola, Lilljeborg.
995	Bairdii, Bate.	1034	setosa, Boeck.
996	*Grimaldi, Chevreux.	1035	robusta, G. O. Sars.
	Phoxocephalus, Stebbing.	1036	lævis, Hoek.
997	Holböllii, Kröyer. = P. Kröyeri, Stimpson.		Stegocephalus, Kröyer.
998	oculatus, G. O. Sars.	1037	inflatus, Kröyer.
999	simplex, Bate. = P. pectinatus, Walker.	1038	similis, G. O. Sars.
1000	*Fultonii, T. Scott. = P. chelatus, Della Valle.		Stegocephaloides, G. O. Sars.
	Leptophoxus, G. O. Sars.	1039	christianiensis, Boeck.
1001	*falcatus, G. O. Sars.	1040	*auratus, G. O. Sars.
	Harpinia, Boeck.		Aspidopleurus, G. O. Sars.
1002	plumosa, Kröyer.	1041	*gibbosus, G. O. Sars.
1003	neglecta, G. O. Sars.		Andania, Boeck.
1004	pectinata, G. O. Sars.	1042	abyssi, Boeck.
1005	truncata, G. O. Sars.		Andaniopsis, G. O. Sars.
1006	*latipes, Norman.	1043	nordlandica, Boeck.
1007	crenulata, Boeck.		Andaniella, G. O. Sars.
		1044	*pectinata, G. O. Sars.
			Astyra, Boeck.
		1045	abyssi, Boeck.

- Amphilochus, Bate.**
- 1046 manudens, Bate.
 1047 *neapolitanus, Della Valle.
 =A. *melanops, Walker.
 1048 *brunneus, Della Valle.
- Amphilochoides, G. O. Sars.**
- 1049 *serralipes, Norman.
 =A. Boeckii, G. O. Sars.
- 1050 odontonyx, Boeck.
 =O. pusillus, G. O. Sars.
- Gitanopsis, G. O. Sars.**
- 1051 bispinosa, Boeck.
 1052 *arctica, G. O. Sars.
- Gitana, Boeck.**
- 1053 Sarsi, Boeck.
 =A. Sabrinæ, Stebbing.
 1054 rostrata, Boeck.
- Stegoplax, G. O. Sars.**
- 1055 *brevirostris, T. and A. Scott.
- Cyproidea (Haswell ?) Stebbing.**
- 1056 *damnoniensis, Stebbing.
- Stenothoe, Dana.**
- 1057 marina, Bate.
 1058 monoculoides, Montagu.
 1059 *microps, G. O. Sars.
 1060 *tenella, G. O. Sars.
 1061 *brevicornis, G. O. Sars.
 1062 megacheir, Bate.
 1063 *setosa, Norman.
 1064 *Dollfusi, Chevreux.
 1065 *antennularia, Della Valle.
 1066 *valida (Dana), Della Valle.
- Probolium, Costa.**
- 1067 *gregarium, G. O. Sars.
 1068 *calcaratum, G. O. Sars.
 1069 polypyron, Costa.
- Metopa, Boeck.**
- 1070 Alderi, Bate.
 1071 norvegica, Lilljeborg.
 =M. pollexiana, Bate.
- 1072 spectabilis, G. O. Sars.
- 1073 Boeckii, G. O. Sars.
- 1074 borealis, G. O. Sars.
- 1075 rubrovittata, G. O. Sars.
- 1076 pusilla, G. O. Sars.
- 1077 longicornis, Boeck.
- 1078 tenuimana, G. O. Sars.
- 1079 affinis, Boeck.
- 1080 Bruzelii, Goës.
- 1081 *sinuata, G. O. Sars.
- 1082 *Sölsbergi, Schneider.
- Metopa, Boeck.—continued.**
- 1083 *invalida, G. O. Sars.
 1084 *abscisa, Norman.
 1085 *grøenlandica, Hansen.
 1086 *carinata, Hansen.
 1086a *clypeata, Kröyer.
- Sthenometopa, Norman.**
- =Metopina, Norman (in use).
 1087 robusta, G. O. Sars.
- Metopella, G. O. Sars.**
- 1088 nasuta, Boeck.
 1089 longimana, Boeck.
 1090 *neglecta, Hansen.
- Cressa, Boeck.**
- 1091 dubia, Bate.
 1092 minuta, Boeck.
- Leucothoe, Leach.**
- 1093 spinicarpa, Abildgaard.
 1094 Lilljeborgii, Boeck.
 =L. imparicornis, Norman.
 =L. incisa, Robertson.
- 1095 *platycera, Della Valle.
- 1096 Richiardi, Lessona.
- Œdiceros, Kröyer.**
- 1097 saginatus, Kröyer.
 1098 borealis, Boeck.
- Parœdiceros, G. O. Sars.**
- 1099 lynceus, M. Sars.
 1100 propinquus, Goës.
 =Œ. microps, G. O. Sars.
 1101 *curvirostris, Hansen.
- Monoculodes, Stimpson.**
- 1102 carinatus, Bate.
 =M. Stimpsoni, Bate.
- 1103 *tessellatus, Schneider.
- 1104 borealis, Boeck.
- 1105 *pallidus, G. O. Sars.
- 1106 norvegicus, Boeck.
- 1107 *subnudus, Norman.
 =M. falcatus, G. O. Sars.
- 1108 tuberculatus, Boeck.
- 1109 latimanus, G. O. Sars.
- 1110 Kröyeri, Boeck.
- 1111 longirostris, Goës.
- 1112 Packardi, Boeck.
- Monoculopsis, G. O. Sars.**
- 1113 longicornis, Boeck.
- Perioculodes, G. O. Sars.**
- 1114 longimanus, Bate.
 =M. Grubei, Boeck.

	Pontocrates, Boeck.		Parapleustes, Buchholz.
1115	arenaria, Bate.	1145	glaber, Boeck. = Parapleustes gracilis, Buchholz.
1116	altamarina, Bate and West.	1146	*pulchellus, G. O. Sars.
1117	norvegica, Boeck.	1147	latipes, M. Sars.
	Synchelidium, G. O. Sars.		Epimeria, Costa.
1118	haplocheles, Grube. = Kröyera brevicarpa, Bate and West.	1148	cornigera, Fabr.
1119	tenuimanum, Norman. = S. haplocheles, G. O. Sars.	1149	parasitica, M. Sars.
1120	intermedium, G. O. Sars.	1150	tuberculata, G. O. Sars.
	Halicreion, Boeck.	1151	loricata, G. O. Sars. = E. conspicua, Stebbing.
1121	æquicornis, Norman. = H. longicaudata, Boeck.		Acanthozone, Boeck.
	Bathymedon, G. O. Sars.	1152	cuspidata, Lepechin. = A. hystrix, Owen.
1122	Saussurei, Boeck.		Acanthonotosoma, Boeck.
1123	longimanus, Boeck.	1153	serratum, Fabr.
	Halimedon, Boeck.	1154	cristatum, Owen.
1124	parvimanus, Bate. = H. Mülleri, Boeck.	1155	inflatum, Kröyer.
1125	acutifrons, G. O. Sars.		Iphimedia, Rathke.
1126	megalops, G. O. Sars.	1156	obesa, Rathke.
1127	brevicalcar, Goës.	1157	*minuta, G. O. Sars.
1128	rectirostris, Della Valle.		Odius, Lilljeborg.
	Œdiceropsis, Lilljeborg.	1158	carinatus, Bate.
1129	brevicornis, Lilljeborg.		Pereionotus, Bate and Westwood.
	Aceros, Boeck.	1159	testudo, Montagu.
1130	phyllonyx, M. Sars.		Guernea, Chevreux.
	Aceroides, G. O. Sars.	1160	*coalita, Norman. = G. laevis, Chevreux.
1131	latipes, G. O. Sars. = Aceros distinguendus, Hansen.		Laphystius, Kröyer.
	Acanthostepheia, Boeck.	1161	sturionis, Kröyer.
1132	Malmgreni, Goës.		Laphystiopsis, G. O. Sars.
1133	pulchra, Miers.	1162	planifrons, G. O. Sars.
	Pleustes, Bate.		Argissa, Boeck.
1134	panoplus, Kröyer.	1163	*hamatipes, Norman. = A. typica, Boeck.
	Paramphithoe, Bruzelius.		Hyperiopsis, G. O. Sars.
1135	pulchella, Kröyer.	1164	Vöringii, G. O. Sars.
1136	*Boeckii, Hansen.		Syrhoe, Goës.
1137	bicuspis, Kröyer. = Calliopius bidentatus, Norman.	1165	crenulata, Goës.
1138	monocuspis, G. O. Sars.	1166	fimbriata, Stebb. and Rob.
1139	assimilis, G. O. Sars.		Syrrohoites, G. O. Sars.
1140	*brevicornis, G. O. Sars.	1167	*serrata, G. O. Sars.
1141	megalops, Buchholz.		Bruzelia, Boeck.
1142	cataphracta, Stimpson.	1168	typica, Boeck.
	Stenopleustes, G. O. Sars.	1169	*tuberculata, G. O. Sars.
1143	Malmgreni, Boeck.		Tiron, Lilljeborg.
1144	*nodifer, G. O. Sars.	1170	acanthurus, Lilljeborg. =*Tessarops hastatus, Norman.

- Pardalisca, Kröyer.**
- 1171 cuspidata, Kröyer.
 1172 tenuipes, G. O. Sars.
 1173 abyssi, Boeck.
- Pardaliscella, G. O. Sars.**
- 1174 Boekii, Malm.
Nicippe, Bruzelius.
 1175 tumida, Bruzelius.
- Halice, Boeck.**
- 1176 abyssi, Boeck.
Eusirus, Kröyer.
- 1177 cuspidatus, Kröyer.
 1178 propinquus, G. O. Sars.
 1179 longipes, Boeck.
 = E. helveticæ, Bate.
- 1180 leptocarpus, G. O. Sars.
- Rhachotropis, S. I. Smith.**
- 1181 aculeata, Lepechin.
 1182 Helleri, Boeck.
 1183 macropus, G. O. Sars.
 1184 leucophthalma, G. O. Sars.
 1185 inflata, G. O. Sars.
 = R. tumida, G. O. Sars.
- Eusiroides, Della Valle.**
- 1187 *Sarsi, Chevreux, M.
 1188 *Della-Vallei, Chevreux.
- Bouveriella, Chevreux.**
- 1189 *carcinophila, Chevreux.
- Haliragooides, G. O. Sars.**
- 1190 *inermis, G. O. Sars.
- Halirages, Boeck.**
- 1191 fulvocinctus, M. Sars.
 1192 quadridentatus, G. O. Sars.
 = *H. elegans, Norman.
- Apherusa, Walker.**
- 1193 bispinosa, Bate.
 1194 borealis, Boeck.
 1195 tridentata, Bruzelius.
 1196 *megalops, G. O. Sars.
 1197 Jurinii, H. M. Edw.
 = Pherusa fucicola, Bate.
 = Calliopius Norvegicus, Boeck.
- Calliopius, Lilljeborg.**
- 1198 Rathkei, Zaddach.
 = Calliope grandoculis, Bate, δ.
 1199 læviusculus, Kröyer.
- Pontogeneia, Boeck.**
- 1200 inermis, Kröyer.
- Laothoe, Boeck.**
- 1201 Meinerti, Boeck.
- Amphithopsis, Boeck.**
- 1202 longicaudata, Boeck.
 1203 *glacialis, Hansen.
- Leptamphopus, G. O. Sars.**
- 1204 longimanus, Boeck.
- Paratylus, G. O. Sars.**
- 1205 Swammerdamii, H. M. Edw.
 1206 falcatus, Metzger.
 1207 *vedlomensis, Bate.
 1208 Smitti, Goës.
 1209 nordlandicus, Boeck.
 1210 guttatus, Costa.
- Atylus, Leach.**
- 1211 carinatus, Fabr.
- Dexamine, Leach.**
- 1212 spinosa, Montagu.
 1213 thea, Boeck.
 = D. tenuicornis, Bate.
- Tritaeta, Boeck.**
- 1214 gibbosa, Boeck.
 = T. dolichonyx, Nebeski, δ.
- Melphidippa, Boeck.**
- 1215 spinosa, Goës.
 1216 borealis, Boeck.
- Melphidippella, G. O. Sars.**
- 1217 *macra, Norman.
 = M. longipes, Boeck.
- Amathillina, Grimm.**
- 1218 cristata, Grimm.
 1219 *affinis, G. O. Sars.
 1220 spinosa, Grimm.
- Amathilla, Spence Bate.**
- 1221 homari, Fabri.
 = Amathilla Sabini, Bate.
- 1222 angulosa, Rathke.
- Gammaracanthus, Bate.**
- 1223 loricatus, Sabine.
 1224 relictus, G. O. Sars.
- Gmelina, Grimm.**
- 1225 costata, Grimm.
 1226 Kusnekowi, Sowinsky.
- Boeckia, Grimm.**
- 1227 spinosa, Grimm.
- Pallasiella, G. O. Sars.**
- 1228 *Kessleri, Dybowsky.
 1229 quadrispinosa, Esmark.
 1230 cancelloides, Gerstfeldt.
 1231 *latus, Dybowsky.
- Ommatogammarus, Stebbing.**
- 1232 *albinus, Dybowsky.
 1233 *flavus, Dybowsky.



	Pækilogammarus , Stebbing.	
1234	araneolus, Dybowsky. *var. ephippiatus, Dybowsky.	
	Echinogammarus , Stebbing.	
1235	viridis, Dybowsky. *var. violaceus, Dybowsky.	
1236	verrucosus, Gerstfeldt.	
1237	Berilloni, Costa.	
1238	*ahenus, Dybowsky.	
	Carinogammarus , Stebbing.	
1239	Roeseli, Gervais.	
	Gammarus , Fabricius.	
1240	marinus, Leach.	
1241	locusta, Linné.	
1242	Düebeni, Lilljeborg.	
1243	pulex, De Geer. = G. neglectus, G. O. Sars.	
1244	*testacens, Dybowsky.	
1245	fossarum, Koch.	
1246	*natator, S. I. Smith.	
1247	*limnæus, S. I. Smith.	
1248	*Simoni, Chevreux.	
1249	*annulatus, S. I. Smith.	
1250	Delebesquei, Chev. and De Guerne.	
1251	*siriacus, Chevreux.	
1252	*Guernei, Chevreux.	
1253	caspis, Pallas.	
1254	hæmobaphes, Eichwald.	
1255	aralensis, Uljanin.	
1256	*var. caspia, G. O. Sars.	
1257	*Warpachowskii, G. O. Sars.	
1258	*similis, G. O. Sars.	
1259	crassus, Grimm.	
1260	*obesus, G. O. Sars.	
1261	*Grimmi, G. O. Sars.	
1262	*Weidenmanni, G. O. Sars.	
1263	mareoticus, Sowinsky.	
1264	mucronatus, Say.	
1265	pungens, H. M. Edw. = G. *veneris, Heller.	
	Melita , Leach.	
1266	palmata, Montagu.	
1267	obtusata, Mont.	
1268	gladiosa, Bate.	
1269	*pellucida, G. O. Sars.	
1270	dentata, Kröyer.	
1271	*angulata, S. I. Smith.	
1272	*nitida, S. I. Smith.	
1273	orchestipes, Costa.	
1274	Goësi, Hansen.	
	Ceradocus , O. G. Costa.	
1275	fasciatus, O. G. Costa.	
	Megaluropus , Norman.	
1276	*agilis, Norman. = Cheirocratus Drechseli, Meinert.	
	Eriopisa , Stebbing.	
1277	elongata, Bruzelius.	
	Niphargus , Schiödte.	
1278	subterraneus, Leach.	
	Niphargoides , G. O. Sars.	
1279	caspicus, Grimm.	
	Mœra , Leach.	
1280	Othonis, H. M. Edw.	
1281	Lovéni, Bruzelius.	
1282	*Batei, Norman. = M. multidentata, Bate and West.	
1283	semiserrata, Bate.	
1284	grossimana, Montagu.	
1285	truncatipes, Spinola. = G. scissimana, Costa.	
1286	*lævis, S. I. Smith.	
1287	Danai, Stimpson.	
	Elasmopus , Costa.	
1288	rapax, Costa. = Megamœra brevicaudata, Bate.	
1289	pocillimanus, Bate.	
	Isæa , H. Milne Edwards.	
1290	Montagui, H. M. Edw.	
	Cheirocratus , Norman.	
1291	Sundevalli, Rathke.	
1292	assimilis, Lilljeborg. = C. *mantis, Norman.	
1293	robustus, G. O. Sars.	
1294	intermedius, G. O. Sars.	
	Gammarella .	
1295	brevicaudata, H. M. Edw. = G. Normani, Bate and West, ?.	
	Lilljeborgia , Spence Bate.	
1296	pallida, Spence Bate.	
1297	Kinahani, Bate.	
1298	*macronyx, G. O. Sars.	
1299	fissicornis, M. Sars.	
1300	*picta, Norman.	
	Idunella , G. O. Sars.	
1301	*æquicornis, G. O. Sars.	
	Microdeutopus , Costa.	
1302	anomalus, Rathke.	
1303	danmoniensis, Bate.	
1304	gryllotalpa, Costa. = minax, Smith.	

- Microdeutopus, Costa.**—continued.
- 1305 *arcticus, Hansen.
 - 1306 *stationis, Della Valle.
 - 1307 *algicola, Della Valle.
 - Stimpsonella, Della Valle.**
 - 1308 chelifera, Bate.
 - 1309 *armata, Chevreux.
 - Aora, Kröyer.**
 - 1310 gracilis, Bate.
 - Autonoe, Bruzelius.**
 - 1311 Websteri, Bate.
 - 1312 longipes, Lilljeborg.
= M. bidentatus, Stebbing.
 - 1313 versiculata, Bate.
 - 1314 megacheir, G. O. Sars.
 - 1315 *spiniventris, Della Valle.
 - Protomederia, Kröyer.**
 - 1316 fasciata, Kröyer.
 - Leptocheirus, Zaddach.**
 - 1317 pilosus, Zaddach.
 - 1318 hirsutimanus, Rate.
 - 1319 pinguis, Stimpson.
 - 1320 guttatus, Grube.
 - 1321 Della-Vallei, Stebbing.
= L. pilosus, Della Valle.
 - Microprotopus, Norman.**
 - 1322 *maculatus, Norman.
 - 1323 *longimanus, Chevreux.
 - Gammaropsis, Lilljeborg.**
 - 1324 erythrophthalmus, Lilljeborg.
 - 1325 melanops, G. O. Sars.
 - 1326 palmata, Stebb. and Rob.
= Podoceropsis palmata, S. and R.
 - 1327 *dentata, Chevreux.
 - Megamphopus, Norman.**
 - 1328 *cornutus, Norman.
 - Photis, Kröyer.**
 - 1329 Reinhardi, Kröyer.
 - 1330 longicaudata, Bate.
 - 1331 *tenuicornis, G. O. Sars.
 - Podoceropsis, Boeck.**
 - 1332 Sophiae, Boeck.
= Nænia tuberculosa, Bate.
 - 1333 excavata, Bate.
= N. rimapalmata, Bate, ♂.
 - Amphithoe, Leach.**
 - 1334 rubricata, Montagu.
 - 1335 penicillata, A. Costa.
 - 1336 Vaillantii, Lucas.
 - 1337 maculata, Stimpson.

Pleonexes, Bate.

- 1338 gammaroides, Bate.
= Sunamphithoe hamulus, Bate, ♀.
- Grubia, Czerniavsky.**
- 1339 crassicornis, A. Costa.
- 1340 *hirsuta, Chevreux.
- Sunamphithoe, Bate.**
- 1341 conformata, Bate.
- Biancolina, Della Valle.**
- 1342 *cuniculus, Stebbing.
= B. algicola, Della Valle.
- Jassa, Leach.**
- 1343 falcata, Mont.
- 1344 pusilla, O. G. Sars.
- 1345 Herdmani, Walker.
=*P. odontonyx, G. O. Sars.
- 1346 latipes, Kröyer.
- 1347 assimilis, G. O. Sars.
- 1348 brevicornis, G. O. Sars.
- 1349 ocia, Bate.
- 1350 tuberculata, Hoek.
- Parajassa, Stebbing.**
- 1351 pelagica, Leach.
= Podocerus capillatus, Rathke.
- Microjassa, Stebbing.**
- 1352 cumbrensis, Stebb. and Rob.
- Ischyrocerus, Kröyer.**
- 1353 anguipes, Kröyer.
- 1354 minutus, Lilljeborg.
= Podocerus isopus, Walker.
- 1355 megalops, G. O. Sars.
- 1356 *megacheir, G. O. Sars.
- Erichthonius, H. M. Edwards.**
- 1357 abditus, Templeton.
- 1358 difformis, H. M. Edwards.
- 1359 Hunteri, Bate.
- Cerapopsis, Della Valle.**
- 1360 *longipes, Della Valle.
- Cerapus, Say.**
- 1361 crassicornis, Bate.
- Siphonœcetes, Kröyer.**
- 1362 Colletti, Boeck.
= S. typicus, Bate and West.
= S. mucronatus, Metzger.
- 1363 pallidus, G. O. Sars.
- 1364 *Della-Vallei, Stebbing.
= S. typicus, Della Valle.
- 1365 *cuspidatus, S. I. Smith.

	Corophium, Latreille.		Phthisica, Slabber.
1366	grossipes, Linné.	1401	marina, Slabber.
1367	crassicornis, Bruzelius. = C. spinicorne, Bate.		= Proto pedata, Leach.
1368	Bonelli, H. M. Edw.	1402	Protella, Dana.
1369	affine, Bruzelius. = C. tenuicorne, Norman.		phasma, Montagu.
1370	acherusiacum, A. Costa.	1403	Ægina, Kröyer.
1371	*runciforme, Della Valle.	1404	spinosissima, Stimpson.
1372	*nobile, G. O. Sars.		longicornis, Kröyer.
1373	*cheliforme, G. O. Sars.	1405	Æginella, Boeck.
1374	*robustum, G. O. Sars.		spinosa, Boeck.
1375	*mucronatum, G. O. Sars.	1406	Periambus, Stebbing.
1376	*monodon, G. O. Sars.	1407	typicus, Kröyer.
1377	*curvispinum, G. O. Sars.	1408	minutus, Mayer.
			Kröyeri, Heller.
	Unciola, Say.	1409	Caprella, Lamarck.
1378	leucopis, Kröyer.		linearis, Linné.
1379	*planipes, Norman.	1410	= C. lobata, Bate.
1380	irrorata, Say.		septentrionalis, Kröyer.
1381	crenatipalma, Bate. = Dryope irrorata, Bate, ♂.	1411	= C. hystrix, Bate.
1382	petalocera, G. O. Sars.	1412	acutifrons, Latreille.
			acanthifera, Leach.
	Chelura, Philippi.	1413	= C. calva, Bate and West.
1383	terebrans, Philippi.		æquilibra, Say.
		1414	*fretensis, Stebbing.
	Colomastix, Grube.	1415	*spinosissima, Norman.
1384	pusilla, Grube.	1416	punctata, Boeck.
			microtuberculata, G. O. Sars.
	Neohela, S. I. Smith.	1417	var. *spinosa, Hansen.
1385	monstrosa, Boeck.	1418	geometrica, Say.
		1419	*ciliata, G. O. Sars.
	Seba, Bate.	1420	dentata, Heller.
1386	*armata, Chevreux.	1421	*grandimana, Mayer.
		1422	*liparotensis, Mayer.
	Platophium, Dana.	1423	Paripalpus, Chevreux.
1387	*chelonophilum, Chev. and De Guerne.		*capillaceus, Chevreux.
1388	Darwini, Bate.	1424	Cyamus, Lamarck.
			*mysticeti, Lütken.
	Lætmatophilus, Bruzelius.	1425	*monodontis, Lütken.
1389	tuberculatus, Bruzelius.	1426	*nodosus, Lütken.
1390	*armatus, Norman.	1427	ovalis, Rouss. de Vaux.
1391	lævis, Heller.	1428	*globicipitis, Lütken.
		1429	Paracyamus, G. O. Sars.
	Xenodice, Boeck.		*boopis, Lütken.
1392	Frauenfeldti, Boeck.	1430	Platocyamus, Lütken.
			Thompsoni, Gosse.
	Dulichia, Kröyer.	1431	
1393	falcata, Bate.		
1394	porrecta, Bate.		
1395	monacantha, Bate.		
1396	spinosissima, Kröyer.		
1397	tuberculata, Boeck.		
1398	*Normani, G. O. Sars.		
1399	hirticornis, G. O. Sars.		
1400	nordlandica, Boeck.		

Order X.—XIPHOSURA.**Limulus, O. F. Müller.****polyphemus, Latreille.**

Order XI.—PHYLLOCARIDA.

Nebalia, Leach.

1432 *bipes*, Fabricius.

1433 **typhlops*, G. O. Sars.

Order XII.—PHYLLOPODA.

Limnetis, Loven.

1434 *brachyura*, Müller.

Limnadia, Bronguiart.

1435 *lenticularis*, Linné.

Estheria, Straus.

1436 *cycladooides*, Joly.

1437 *pesthinensis*, Bruhl.

1438 *dehalacensis*, Ruppell.

1439 *donaciformis*, Baird.

1440 *tetracera*, Krinichi.

1441 *Grubei*, Simon.

Apus, Schäffer.

1442 *cancriformis*, Schäffer.

Lepidurus, Leach.

1443 *productus*, Box.

1444 *glacialis*, Kröyer.

1445 *Lubbockii*, Brauer.

Branchipus, Latreille.

1446 *Grubei*, Dybowsky.

1447 *Braueri*, Frauenfeldt.

1448 *Middendorffianus*, Fischer.

1449 *ferox*, H. M. Edw.

1450 *medius*, Schmank.

Chirocephalus, Prévost.

1451 *stagnalis*, Linné.

1452 *diaphanus*, Prevost.

1453 *carnuntanus*, Brauer.

Branchinecta, Verrill.

1454 *paludosa*, O. F. Müller.

Streptocephalus, Baird.

1455 *torvicornis*, Waga.

Polyartemia, Fischer.

1456 *forcipata*, Fischer.

1457 **Hayzeni*, Murdoch.

Artemia, Leach.

1458 *salina*, Fabricius.

1459 **urmiana*, A. T. Günther.

Order XIII.—CLADOCERA.

Sida, Straus.

1460 *crystallina*, O. F. Müller.

Limnosida, G. O. Sars.

1461 *frontosa*, G. O. Sars.

Diaphanosoma, Seb. Fischer.

1462 *brachyurum*, Lièvin.

1463 *Leuchtenbergianum*, S. Fischer.

Latona, Straus.

1464 *setifera*, O. F. Müller.

Holopedium, Zaddach.

1465 *gibberum*, Zaddach.

Daphnia, O. F. Müller.

1466 *magna*, Straus.

1467 **pubescens*, G. S. Brady.

1468 *pulex*, De Geer.

var. *ovata*, G. O. Sars.

var. **Schödleri*, G. O. Sars.

var. *obtusa*, Kurz.

var. **hamata*, G. S. Brady.

1473 var. *Middendorffiana*, S. Fischer.

1474 *longispina*, O. F. Müller.

var. *caudata*, Hellick.

var. **Leydigii*, G. O. Sars.

var. **rectispina*, G. O. Sars.

var. **carinata*, G. O. Sars.

var. **littoralis*, G. O. Sars.

var. **brevipennis*, G. O. Sars.

var. **rosea*, G. O. Sars.

var. **nasuta*, G. O. Sars.

var. **major*, Richard.

var. **tenuitesta*, G. O. Sars.

var. **affinis*, G. O. Sars.

**lacustris*, G. O. Sars.

var. **aquilina*, G. O. Sars.

var. **alpina*, G. O. Sars.

**galeata*, G. O. Sars.

var. **obtusifrons*, G. O. Sars.

var. **procumbens*, G. O. Sars.

var. **longicornis*, G. O. Sars.

var. **oxycephala*, G. O. Sars.

hyalina, Leydig.

var. **brachycephala*, G. O. Sars.

var. **vicina*, Richard.

var. **rotundifrons*, G. O. Sars.

var. **pellucida*, G. O. Sars.

psittacea, Baird.

Hyalodaphnia, Schödler.

**Jardinii*, Baird.

var. **cucullata*, G. O. Sars.

var. **grandiceps*, Norman.

var. **obtusata*, G. O. Sars.

var. *apicata*, Kurz.

var. *Kahlbergiensis*, Schödler.

var. **procurva*, Poppe.

	Cephaloxus, G. O. Sars.		Bosmina, Baird.—continued.
1507	*cristatus, G. O. Sars.	1548	Lilljeborgii, G. O. Sars.
1508	var. *tenuirostris, G. O. Sars.		=B. mixta, Lilljeborg.
1509	var. *laticeps, G. O. Sars.	1549	var. *humilis, Lilljeborg.
1510	var. Cederströmii, Schödler.	1550	brevicornis, P. E. Müller.
1511	*longiremis, G. O. Sars.	1551	bohemica, Hellich.
	Scapholeberis, Schödler.	1552	*brevispina, Lilljeborg (G. O. Sars.)
1512	mucronata, O. F. Müller.	1553	*berolinensis, Imhof.
1513	var. cornuta, Schödler.	1554	*coregoni, Baird.
1514	var. *longispinosa.	1555	var. *thersites, Poppe.
1515	aurita, S. Fischer.	1556	var. gibbera, Schödler.
	=S. obtusa, Schödler.	1557	var. diaphana, P. E. Müller.
1516	*microcephala, Lilljeborg (G. O. Sars.)	1558	*crassicornis, Lilljeborg.
	Simocephalus, Schödler.		Ophryoxus, G. O. Sars.
1517	vetulus, O. F. Müller.	1559	gracilis, G. O. Sars.
1518	exspinosus, Koch.	1560	var. spinifera, G. O. Sars.
1519	var. congener, Schödler.	1561	Ilyocryptus, G. O. Sars.
1520	serrulatus, Koch.	1562	sordidus, Liévin.
	Ceriodaphnia, Dana.	1563	agilis, Kurz.
1521	reticulata, Jurine.		acutifrons, G. O. Sars.
1522	var. *rosea, G. O. Sars.		Macrothrix, Baird.
1523	var. *serrata, G. O. Sars.	1564	laticornis, Jurine.
1524	var. *minor, G. O. Sars.	1565	rosea, Jurine.
1525	megalops, G. O. Sars.	1566	*hirsuticornis, Nor. and Brad.
1526	laticaudata, P. E. Müller.	1567	var. *arctica, G. O. Sars.
1527	rotunda, Straus.	1568	Lathonura, Lilljeborg.
1528	*hamata, G. O. Sars.		rectirostris, O. F. Müller.
1529	*echinata, Moniez.	1569	Streblocerus, G. O. Sars.
1530	pulchella, G. O. Sars.		serraticaudatus, S. Fischer.
1531	var. *microcephala, G. O. Sars.	1570	Drepanothrix, G. O. Sars.
1532	quadrangula, O. F. Müller.		dentata, Euren.
	Moina, Baird.	1571	Acantholeberis, Lilljeborg.
1533	rectirostris, Leydig.		curvirostris, O. F. Müller.
	=M. Lilljeborgii, Schödler.	1572	Eury cercus, Baird.
1534	brachiata, Jurine.		lamellatus, O. F. Müller.
1535	Fischeri, Hellich.	1573	Campnocercus, Baird.
	Bosmina, Baird.		rectirostris, Schödler.
1536	longirostris, O. F. Müller.	1574	macrurus, O. F. Müller.
1537	var. cornuta, Jurine.	1575	Lilljeborgii, Schödler.
1538	var. *similis, Lilljeborg (G. O. Sars.)		Acoperus, Baird.
1539	*Dollfusi, Moniez.	1576	harpæ, Baird.
1540	*obtusirostris, G. O. Sars.	1577	*angustatus, G. O. Sars.
1541	var. nitida, G. O. Sars.	1578	Alonopsis, G. O. Sars.
1542	var. maritima, P. E. Müller.	1579	elongata, G. O. Sars.
1543	var. arctica, Lilljeborg.		latissima, Kurz.
1544	var. *lacustris, G. O. Sars.	1580	Lynceus, O. F. Müller.
1545	var. *procumbens, G. O. Sars.		quadangularis, O. F. Müller.
1546	var. *minor, G. O. Sars.	1581	var. sanguinea, P. E. Müller.
1547	longispina, Leydig.	1582	affinis, Leydig.
		1583	*tenuicaudis, G. O. Sars.
		1584	costatus, G. O. Sars,

	Lynceus, O. F. Müller.—continued.
1585	guttatus, G. O. Sars.
1586	intermedius, G. O. Sars.
1587	lineatus, S. Fischer.
1588	rectangulus, G. O. Sars.
1589	elegans, Kurz.
1590	rostratus, Koch.
1591	parvulus, Kurz.
	Leptorhynchus, Herrich.
1592	falcatus, G. O. Sars.
	Leydigia, Kurz.
1593	Leydigii, Schödler. =S. quadrangularis, Leydig.
1594	acanthoceroides, S. Fischer.
	Graptoleberis, G. O. Sars.
1595	testudinarius, S. Fischer.
	Alonella, G. O. Sars.
1596	excisa, S. Fischer.
1597	*exigua, Lilljeborg.
1598	nana, Baird.
	Peracantha, Baird.
1599	truncata, O. F. Müller.
	Pleuroxus, Baird.
1600	lævis, G. O. Sars.
1601	striatus, Schödler.
1602	trigonellus, O. F. Müller.
1603	uncinatus, Baird.
1604	aduncus, Jurine.
	Chydorus, Baird.
1605	globosus, Baird.
1606	ovalis, Kurz.
1607	latus, G. O. Sars.
1608	*Letourneuxi, Richard.
1609	sphæricus, O. F. Müller. var. cælatus, Schödler.
1610	*piger, G. O. Sars.
1611	*barbatus, G. S. Brady.
1612	*gibbus, Lilljeborg.
1613	Monospilus, G. O. Sars.
1614	tenuirostris, S. Fischer.
	Anchistropus, G. O. Sars.
1615	emarginatus, G. O. Sars.
	Bythotrephes, Leydig.
1616	longimanus, Leydig.
1617	Cederströmii, Schödler.
	Cercopagis, G. O. Sars.
1618	*socialis, G. O. Sars.
1619	*tenera, G. O. Sars.
1620	*anonyx, G. O. Sars.

	Apagis, G. O. Sars.
1621	*cylindrata, G. O. Sars.
	Polyphemus, O. F. Müller.
1622	pediculus, Linné.
1623	*exiguus, G. O. Sars.
	Podon, Lilljeborg.
1624	*intermedius, Lilljeborg.
1625	polyphemoides, Leuckart. =P. minutus, G. O. Sars.
1626	Leuckartii, G. O. Sars.
	Evadne, Lovén.
1627	Nordmanni, Lovén.
1628	spinifera, P. E. Müller.
1629	*producta, G. O. Sars.
1630	*trigona, G. O. Sars.
1631	*anonyx, G. O. Sars.
	Leptodora, Lilljeborg.
1632	Kindti, Focke.
	Order XIV.—BRANCHIURA.
	Argulus, O. F. Müller.
1633	foliaceus, Linné.
1634	coregoni, Thorell.
1635	laticauda, S. I. Smith.
	Order XV.—OSTRACODA.
	Cypria, Zenker.
1636	ophthalmica, Jurine.
1637	*lacustris, Lilljeborg.
1638	exsculpta, S. Fischer.
	Cyclocypris, Brady and Norman.
1639	globosa, G. O. Sars.
1640	lævis, O. F. Müller.
1641	serena, Koch.
	Scottia, Brady and Norman.
1642	Browniana, T. R. Jones.
	Cypris, O. F. Müller.
1643	fuscata, Jurine.
1644	pubera, O. F. Müller.
1645	virens, Jurine.
1646	var. *Helena, Moniez.
1647	iucongruens, Rambohr.
1648	elliptica, Baird.
1649	reticulata, Zaddach.
1650	obliqua, Brady.
1651	ornata, O. F. Müller.
1652	clavata, Baird.
1653	*trigonella, G. S. Brady.
1654	crassa, O. F. Müller.
1655	bispinosa, Lucas.

	Cyprinotus, G. S. Brady.	Candonia, Baird.
1656	prasinus, S. Fischer. = *C. salinus, G. S. Brady.	1688 candida, O. F. Müller.
1657	var. fretensis, Brady and Rob.	1689 *Mülleri, Hartwig.
	Stenocypris, G. O. Sars.	1690 neglecta, G. O. Sars.
1658	fasciata, O. F. Müller.	1691 *Studerii, Kaufmann.
1659	*Fischeri, Lilljeborg.	1692 *Weltneri, Hartwig.
	Cyprois, Zencker.	1693 lactea, Baird.
1660	marginata, Straus. = C. flava, Zaddach.	1694 *Protzi, Hartwig.
	Notodromas, Lilljeborg.	1695 acuminata, Fischer.
1661	monachus, O. F. Müller.	1696 *elongata, Brad. and Norm.
1662	*Madaraszii, Orley.	1697 *fragilis, Hartwig.
	Herpetocypris, Brady and Norman.	1698 *Holzkampi, Hartwig.
1663	reptans, Baird.	1699 fabæformis, S. Fischer.
1664	strigata, O. F. Müller.	1700 *reniformis, Hartwig.
1665	*tumefacta, Bra. and Rob.	1701 compressa, Koch.
1666	*glacialis, G. O. Sars.	1702 *rostrata, Brad. and Norm.
1667	*brevicaudata, Kaufmann.	1703 *lobipes, Hartwig.
1668	*intermedia, Kaufmann.	1704 pubescens, Koch.
	Prionocypris, Brad. and Norm.	1705 *marchica, Hartwig.
1669	*serrata, Norman.	1706 *stagnalis, G. O. Sars.
	Ilyodromus, G. O. Sars.	1707 *Zenckeri, G. O. Sars.
1670	*olivaceus, Brad. and Norm.	1708 *caudata, Kaufmann.
1671	*Robertsoni, Brad. and Norm.	1708a *Harmsworthi, G. S. Brady.
	Ilyocypris, Brad. and Norm.	Paracandonia, Hartwig.
1672	gibba, Rambohr.	1709 *euplectella, Robertson.
1673	Bradii, G. O. Sars.	Cryptocandonia, Kaufmann.
1674	*inermis, Kaufmann.	1710 *Vavrai, Kaufmann.
	Microcypris, Kaufmann.	Candonopsis, Vavra.
1675	*reptans, Kaufmann.	1711 Kingsleei, Brad. and Rob.
	Pionocypris, Brady and Norman.	Pontocypris, G. O. Sars.
1676	vidua, O. F. Müller.	1712 acupunctata, G. S. Brady.
1677	var. *obesa, Brad. and Robert.	1713 trigonella, G. O. Sars.
1678	picta, Straus.	1714 succinea, G. W. Müller.
	Cypridopsis, G. S. Brady.	1715 setosa, G. W. Müller.
1679	*smaragdina, Vavra.	1716 pellucida, G. W. Müller.
1680	aculeata, Costa.	Erythrocypris, G. W. Müller.
1681	villosa, Jurine.	1717 frequens, G. W. Müller.
1682	Newtoni, Brad. and Robert.	1718 *mytiloides, Norman.
1683	*variegata, Brad. and Norm.	1719 hispida, G. O. Sars.
1684	*tumida, Kaufmann.	Anchistrocheles, Brady and Norman.
1685	*elongata, Kaufmann.	1720 *acerosa, G. S. Brady.
	Potamocypris, G. S. Brady.	Argillœcia, G. O. Sars.
1686	fulva, G. S. Brady.	1721 cylindrica, G. O. Sars.
	Paracypridopsis, Kaufmann.	Macrocypris, G. S. Brady.
1687	*Zschokkei, Kaufmann.	1722 minna, Baird.
		1723 angusta, G. O. Sars.
		1724 siliquosa, G. S. Brady.
		1725 decora, G. S. Brady.

Bairdia, M'Coy.

- 1726 **inflata*, Norman.
 1727 **acanthigera*, G. S. Brady.
 1728 **subcircinata*, Brad. and Norm.
 1729 *victrix*, G. S. Brady.
 1730 *Crosskeyana*, G. S. Brady.
 1731 *hirsuta*, G. S. Brady.
 1732 *mediterranea*, G. W. Müller.
 1733 *decipiens*, G. W. Müller.
 1734 *serrata*, G. W. Müller.

Bythocypris, G. S. Brady.

- 1735 *complanata*, G. S. Brady.
 1736 *obtusata*, G. O. Sars.
 1737 *Bosquetiana*, G. S. Brady.

Darwinula, Brady and Robertson.

- 1738 **Stevensonii*, Brad. and Rob.

Limnicythere, G. S. Brady.

- 1739 *inopinata*, Baird.
 1740 *incisa*, Dahl.
 1741 **relicta*, Lilljeborg.
 1742 *Sancti-Patricii*, Brad. and Robt.
 1743 **compressa*, Brad. and Norm.
 1744 **monstrifica*, Norman.

Metacypris, Brady and Robertson.

- 1745 **cordata*, Brad. and Robt.

Cythere, O. F. Müller.

- 1746 *lutea*, O. F. Müller.
 1747 *cyanos*, nov. nom.
 = *C. viridis*, G. O. Sars.
 1748 **pellucida*, Baird.
 1749 **confusa*, Brad. and Norm.
 1750 *porcellanea*, G. S. Brady.
 1751 **Macallana*, Brad. and Robt.
 1752 **tenera*, G. S. Brady.
 1753 **badia*, Norman.
 1754 *crispata*, G. S. Brady.
 1755 *semipunctata*, G. S. Brady.
 1756 **teres*, G. S. Brady.
 1757 *sulcifera*, G. S. Brady.
 1758 **corpulenta*, Brad. and Norm.
 1759 *gibbosa*, Brad. and Robt.
 1760 **rubida*, G. S. Brady.
 1761 *oblonga*, G. S. Brady.
 1762 **leioderma*, Norman.
 1763 *Robertsoni*, G. S. Brady.
 1764 *convexa*, Baird.
 1765 *Speyeri*, G. S. Brady.
 1766 **marginata*, Norman.
 1767 **limicola*, Norman.

Cythere, O. F. Müller.—continued.

- 1768 *cuneiformis*, G. S. Brady.
 1769 **navicula*, Norman.
 1770 *globulifera*, G. S. Brady.
 1771 *cluthæ*, Brad., Crossk. and Robt.
 1772 **complexa*, G. S. Brady.
 1773 *villosa*, G. O. Sars.
 1774 *pulchella*, G. S. Brady.
 1775 *borealis*, G. S. Brady.
 1776 *fuscata*, G. S. Brady.
 1777 **septentrionalis*, G. S. Brady.
 1778 *albomaculata*, Baird.
 1779 *echinata*, G. O. Sars.
 1780 *acanthoderna*, G. S. Brady.
 1781 *dictyon*, G. S. Brady.
 1782 *dasyderma*, G. S. Brady.
 1783 *scabrocuneata*, G. S. Brady.
 1784 *latimarginata*, Speyer.
 1785 **lepidia*, Brad. and Norm.
 1786 *crenulata*, G. O. Sars.
 1787 *quadridentata*, Baird.
 1788 **emaciata*, G. S. Brady.
 1789 *runcinata*, Baird.
 1790 *tuberculata*, G. O. Sars.
 1791 *concinna*, T. R. Jones.
 1792 **dubia*, G. S. Brady.
 1793 *emarginata*, G. O. Sars.
 1794 *finmarchica*, G. O. Sars.
 1795 **costata*, G. S. Brady.
 1796 *angulata*, G. O. Sars.
 1797 *mucronata*, G. O. Sars.
 1798 *canadensis*, G. S. Brady.
 1799 **audax*, Brad. and Norm.
 1800 *mirabilis*, G. S. Brady.
 1801 **dumeliniensis*, Norman.
 1802 *antiquata*, Baird.
 1803 **Whitei*, Baird.
 1804 *Jonesii*, Baird.
 1805 **Milne-Edwardsi*, Brad. and Norm.
 1806 *margaritifera*, G. W. Müller.

Cytheridea, Bosquet.

- 1807 **elongata*, G. S. Brady.
 1808 *papillosa*, Bosquet.
 1809 **punctillata*, G. S. Brady.
 1810 *torosa*, T. R. Jones.
 var. *littoralis*, G. S. Brady.
 1812 **stigmosa*, Brad. and Norm.
 1813 *lacustris*, G. O. Sars.
 1814 **subflavescens*, G. S. Brady.
 1815 **fascis*, Brad. and Norm.
 1816 *Sorbyana*, T. R. Jones.

Eucythere, G. O. Sars.

- 1817 *declivis, Norman.
 1818 var. prava, Brad. and Robt.
 1819 var. argus, G. O. Sars.

Krithe, Brady, Crosskey and Robertson.

- 1820 bartonensis, T. R. Jones.
 1821 producta, G. S. Brady.
 1822 *angusta, Brad. and Norm.
 1823 reniformis, G. S. Brady.
 1824 glacialis, Brad., Cross. and Rob.

Loxoconcha, G. O. Sars.

- 1825 impressa, Baird.
 1826 viridis, O. F. Müller.
 1827 *guttata, Norman.
 1828 *multifora, Norman.
 1829 tamarindus, T. R. Jones.
 = *C. lœvata, Norman.
 1830 pusilla, Brad. and Rob.
 1831 fragilis, G. O. Sars.

Xestobeberis, G. O. Sars.

- 1832 aurantia, Baird.
 1833 depressa, G. O. Sars.
 1834 labiata, Brad. and Rob.
 1835 margaritea, G. S. Brady.
 1836 sexmaculata, G. W. Müller.

Cytherura, G. O. Sars.

- 1837 gibba, O. F. Müller.
 1838 cornuta, G. S. Brady.
 1839 affinis, G. O. Sars.
 1840 sella, G. O. Sars.
 1841 acuticostata, G. O. Sars.
 1842 striata, G. O. Sars.
 1843 *exserta, Brad. and Norm.
 1844 *angulata, G. S. Brady.
 1845 *atra, G. O. Sars.
 1846 undata, G. O. Sars.
 1847 *producta, G. S. Brady.
 1848 *grœnlandica, Brad. and Norm.
 1849 nigrescens, Baird.
 1850 *simplex, Brad. and Norm.
 1851 *concentrica, Brad., Cross. and Rob.
 1852 similis, G. O. Sars.
 1853 rufa, G. S. Brady.
 1854 fulva, Brad. and Rob.
 1855 clathrata, G. O. Sars.
 1856 *cellulosa, Norman.
 1857 *acris, G. S. Brady.
 1858 punctata, G. W. Müller.
 1859 mediterranea, G. W. Müller.
 1860 sulcata, G. W. Müller.

Cytherura, G. O. Sars.—continued.

- 1861 paradoxa, G. W. Müller.
 1862 incongruens, G. W. Müller.
 1863 reticulata, G. W. Müller.
 1864 neglecta, G. W. Müller.
- Cytheropteron, G. O. Sars.**
- 1865 *latissimum, Norman.
 1866 nodosum, G. S. Brady.
 1867 pyramidale, G. S. Brady.
 1868 *inflatum, Brad., Cross. and Rob.
 1869 subcircinatum, G. O. Sars.
 1870 *læve, Brad. and Norm.
 1871 *punctatum, G. S. Brady.
 1872 *crassipinnatum, Brad. and Norm.
 1873 hamatum, G. O. Sars.
 1874 alatum, G. O. Sars.
 1875 mucronulatum, G. S. Brady.
 1876 *arcuatum, Brad., Cross. and Rob.
 (fossil only).
 1877 *montrosiense, Brad., Cross. and Rob.
 (fossil only).
 1878 angulatum, Brad. and Rob.
 1879 *depressum, Brad. and Norm.
 1880 testudo, G. O. Sars.
 1881 *humile, Brad. and Norm.
- Bythocythere, G. O. Sars.**
- 1882 constricta, G. O. Sars.
 1883 turgida, G. O. Sars.
 1884 insignis, G. O. Sars.
 1885 *bicristata, Brad. and Norm.
 1886 recta, G. S. Brady.
 1887 *dromedaria, G. O. Sars.
 1888 *simplex, Norman.
 1889 *recurva, Brad. and Norm.
- Pseudocythere, G. O. Sars.**
- 1890 caudata, G. O. Sars.
- Selerochilus, G. O. Sars.**
- 1891 *contortus, Norman.
 1892 æquus, G. W. Müller.
- Cytherideis, T. R. Jones.**
- 1893 subulata, G. S. Brady.
 1894 foveolata, G. S. Brady.
- Machærina, Brady and Norman.**
- 1895 *tenuissima, Norman.
 1896 amygdaloïdes, G. S. Brady.
- Cytherois, G. W. Müller.**
- 1897 Fischeri, G. O. Sars.
 1898 vitrea, G. O. Sars.
- Paradoxostoma, S. Fischer.**
- 1899 variabile, Baird.
 1900 *ensiforme, G. S. Brady.

Paradoxostoma, S. Fischer.—continued.

- 1901 abbreviatum, G. O. Sars.
 1902 obliquum, G. O. Sars.
 1903 *Normani, G. S. Brady.
 1904 pulchellum, G. O. Sars.
 1905 *hibernicum, G. S. Brady.
 1906 *fasciatum, Brad. and Norm.
 1907 Hodgei, G. S. Brady.
 1908 *productum, Brad. and Nor.
 1909 *orchadense, Brad. and Rob.
 1910 *arcuatum, G. S. Brady.
 1911 flexuosum, G. S. Brady.
 1912 *inflexum, Brad. and Nor.
 1913 cylindricum, G. W. Müller.
 1914 planum, G. W. Müller.

Crossophorus, G. S. Brady.
imperator, G. S. Brady.**Cypridina, H. Milne Edwards.**

- 1916 norvegica, Baird.
 1917 *megalops, G. O. Sars.
 1918 mediterranea, O. G. Costa.

Philomedes, Lilljeborg.

- 1919 brenda, Baird.
 1920 interpuncta, Baird.
 1921 Lilljeborgii, G. O. Sars.
 1922 Macandrei, Baird.
 1923 Folini, G. S. Brady.
Pseudophilomedes, G. W. Müller.
 1924 foveolata, G. W. Müller.

Asterope, Philippi.

- 1925 Mariæ, Baird.
 1926 elliptica, Philippi.
 1927 *norvegica, G. O. Sars.
 1928 *abyssicola, G. O. Sars.
 1929 *teres, Norman.

Rutiderma, Brady and Normann.

- 1930 *compressa, Brad. and Nor.

Sarsiella, Norman.

- 1931 *capsula, Norman.
 = *Nematohamma obliqua*, Brad.
 and Nor., ♂.

- 1932 *globulus, Brad. and Nor.

Conchœcia, Dana.

- 1933 *elegans, G. O. Sars.
 1934 *borealis, G. O. Sars.
 1935 *maxima, Brad. and Nor.
 1936 magna, Claus.
 1937 *obtusata, G. O. Sars.
 1938 *Haddoni, Brad. and Nor.
 1939 spinirostris, Claus.

Conchoecilla, Claus.

- 1940 daphnoides, Claus.
 1941 *lacerta, Brad. and Norm.

Conchœcissa, Claus.

- 1942 armata, Claus.

Microconchœcia, Claus.

- 1943 Clausii, G. O. Sars.

Polycope, G. O. Sars.

- 1944 orbicularis, G. O. Sars.

- 1945 *dentata, G. S. Brady.

Polycoposis, G. W. Müller.

- 1946 compressa, Brad. and Rob.

Cytherella, Bosquet.

- 1947 *serrulata, Brad. and Nor.

- 1948 abyssorum, G. O. Sars.

- = C. scotica, G. S. Brady.

- 1949 laevis, G. S. Brady.

Order XVI.—COPEPODA.**Calanus, Leach.**

- 1950 helgolandicus, Claus.
 1951 finmarchicus, Gunner.
 1952 hyperboreus, Kröyer.
 1953 minor, Claus.
 1954 gracilis, Dana.
 1955 cristatus, Kröyer.
 1956 tonsus, G. S. Brady.
 1957 propinquus, G. S. Brady.

Eucalanus, Dana.

- 1958 elongatus, Dana.
 1959 attenuatus, Dana.
 1960 setiger, G. S. Brady.
 1961 *crassus, Giesbrecht.

Rhincalanus, Dana.

- 1962 *nasutus, Giesbrecht.
 1963 cornutus, Dana.
 1964 gigas, G. S. Brady.

Mecynocera, J. C. Thompson.

- 1965 *Clausii, J. C. Thompson.

Paracalanus, Boeck.

- 1966 parvus, Claus.
 1967 var. *perplexus, T. Scott.

Calocalanus, Giesbrecht.

- 1968 pavo, Dana.

Clausocalanus, Giesbrecht.

- 1969 arcuiformis, Dana.

- 1970 furcatus, G. S. Brady.

	Ctenocalanus , Giesbrecht.	
1971	vanus, Giesbrecht.	
	Pseudocalanus , Boeck.	
1972	elongatus, Boeck.	
1973	*major, G. O. Sars.	
1974	*minor, G. O. Sars.	
1975	*gracilis, G. O. Sars.	
	Microcalanus , G. O. Sars.	
1976	*pygmæus, G. O. Sars.	
	Spinocalanus , Giesbrecht.	
1977	abyssalis, Giesbrecht. = *longicornis, G. O. Sars.	
	Ætideus , G. S. Brady.	
1978	armatus, Boeck.	
	Gaetanus , Giesbrecht.	
1979	miles, Giesbrecht.	
1980	armiger, Giesbrecht.	
	Bradyidius , Giesbrecht.	
1981	armatus, Vanhoeff.	
	Chiridius , Giesbrecht.	
1982	obtusifronis, G. O. Sars.	
1983	armatus, Boeck.	
	Undeuchœta .	
1984	minor, Giesbrecht.	
	Gaidius , Giesbrecht.	
1985	*tenuispinus, G. O. Sars.	
1986	*brevispinus, G. O. Sars.	
	Bryaxis , G. O. Sars.	
1987	*brevicornis, G. O. Sars.	
	Euchirella , Giesbrecht.	
1988	rostrata, Claus.	
	Euchaëta , Philippi.	
1989	marina, Prestandria.	
1990	*hebes, Giesbrecht.	
1991	*acuta, Giesbrecht.	
1992	barbata, G. O. Brady.	
1993	norvegica, Boeck.	
1994	glacialis, Hansen.	
	Phaenna , Claus.	
1995	spinifera, Claus.	
	Pseudophphaenna , G. O. Sars.	
1996	*typica, G. O. Sars.	
	Xanthocalanus , Giesbrecht.	
1997	*borealis, G. O. Sars.	
	Undinella , G. O. Sars.	
1998	*oblonga, G. O. Sars.	
	Scolecothrix , G. S. Brady.	
1999	Danæ, Lubbock.	
2000	*Bradyi, Giesbrecht.	
	Scoleothricella , G. O. Sars.	
2001	minor, G. S. Brady.	
	Amallopura , T. Scott.	
2002	magna, T. Scott.	
2003	*brevicornis, G. O. Sars.	
	Diaixis , G. O. Sars.	
2004	*hibernica, A. Scott.	
2005	*pygmæa, T. Scott.	
2006	vittata, Giesbrecht.	
	Stephos , T. Scott.	
2007	*Fultoni, T. Scott.	
2008	Scotti, G. O. Sars. = *gyrans, T. Scott.	
2009	*lamellatus, G. O. Sars.	
2010	*minor, T. Scott.	
	Parastephos , G. O. Sars.	
2011	pallidus, G. O. Sars.	
	Thyrapis , G. O. Sars.	
2012	*macrophthalma, G. O. Sars.	
	Pseudocyclopia , T. Scott.	
2013	*crassicornis, T. Scott.	
2014	*caudata, T. Scott.	
	Centropages , Kröyer.	
2015	typicus, Kröyer.	
2016	hamatus, Lilljeborg.	
2017	*Kröyeri, Giesbrecht.	
2018	Chierchia, Giesbrecht.	
2019	violaceus, Claus.	
	Isias , Boeck.	
2020	clavipes, Boeck.	
	Boeckella , De Guerne and Richard.	
2021	*orientalis, G. O. Sars.	
	Limnocalanus , G. O. Sars.	
2022	macrurus, G. O. Sars.	
2023	Grimaldii, De Guerne.	
	Hemidiaptomus , G. O. Sars.	
2024	*Ignatovi, G. O. Sars.	
	Diaptomus , Westwood.	
2025	*acutilobatus, G. O. Sars.	
2026	*amblyodon, Marenzeller.	
2027	asiaticus, Uljanin.	
2028	*bacillifer, Koelbel.	
2029	castor, Jurine.	
2030	denticornis, Wierz.	
2031	*var. minor, G. O. Sars.	

	Diaptomus, Westwood. —continued.		Heterorhabdus, Giesbrecht.
2032	gracilis, G. O. Sars.	2071	spinifrons, Claus.
2033	*gracilooides, Lilljeborg.	2072	papilliger, Claus.
2034	*hircus, G. S. Brady.	2073	Norvegicus, Boeck.
2035	*incrassatus, G. O. Sars.		Haloptilus, Giesbrecht.
2036	*laciniatus, Lilljeborg.	2074	longicornis, Claus.
2037	*laticeps, G. O. Sars.		Augaptilus, Giesbrecht.
2038	lobatus, Lilljeborg.	2075	longicaudatus, Claus.
2039	*minutus, Lilljeborg.	2076	hecticus, Giesbrecht.
2040	*Paulsoni, G. O. Sars.		Paramisophria, T. Scott.
2041	salinus, Daday.	2077	*cluthæ, T. Scott.
2042	vulgaris, Schmeil.		Phyllopus, Brady.
2043	Wierzejskii, J. Richard.	2078	bidentatus, Brady.
2044	*Zachariæ, Poppe.		Pseudocyclops, G. S. Brady.
	Poppella, J. Richard.	2079	obtusatus, Brady and Robertson.
2045	Guernei, J. Richard.		Candacia, Dana.
	Temora, Baird.	2080	norvegica, Boeck.
2046	longicornis, Müller.	2081	armata, Boeck.
2047	discaudata, Giesbrecht.	2082	pachydactyla, Dana.
2048	stylifera, Dana.	2083	*varicans, Giesbrecht.
	Eurytemora, Giesbrecht.	2084	bispinosus, Claus.
2049	affinis, Poppe.	2085	*simplex, Giesbrecht.
2050	velox, Lilljeborg.	2086	longimana, Claus.
2051	hirundo, Giesbrecht.		Labidocera, Lubbock.
2052	hirundoides, Giesbrecht.	2087	Wollastoni, Lubbock.
2053	lacustris, Poppe.	2088	brunescens, Czerniavsky.
2054	*Grimmi, G. O. Sars.	2089	acuta, Dana.
2055	Herdmani, Thompson & Scott.		Pontella, Dana.
	Heterocope, G. O. Sars.	2090	atlantica, H. Milne Edwards.
2056	*saliens, Lilljeborg.	2091	*Lobiancoi, Giesbrecht.
2057	borealis, S. Fischer.	2092	securifrons, G. S. Brady.
2058	*appendiculata, G. O. Sars.	2093	mediterranea, Claus.
2059	*caspia, G. O. Sars.		Anomalocera, R. Templeton.
	Epischura, S. Forbes.	2094	Pattersoni, Templeton.
2060	*Nordenskioldi, Lilljeborg.		Pontellopsis, G. S. Brady.
2061	*baikalensis, G. O. Sars.	2095	villosa, G. S. Brady.
	Metridia, Boeck.		Pontellina, Dana.
2062	longa, Lubbock.	2096	plumata, Dana.
2063	lucens, Boeck.		Parapontella, G. S. Brady.
2064	*Normani, Giesbrecht.	2097	brevicornis, Lubbock.
2065	princeps, Boeck.		Acartia, Dana.
	Pleuromamma, Giesbrecht.	2098	Clausi, Giesbrecht.
2066	abdominale, Lubbock.	2099	longiremis, Lilljeborg.
2067	gracilis, Claus.	2100	discaudata, Giesbrecht.
2068	robusta, Dall.	2101	bifilosa, Giesbrecht.
2069	xiphias, Giesbrecht.	2102	var. intermedia, Poppe.
	Lucicutia, Giesbrecht.	2103	laxa, Dana.
2070	flavicornis, Claus.		

- Paracartia, T. Scott.
2104 *grani, G. O. Sars.
- Tortanus, Giesbrecht.
2105 discaudatus, T. and A. Scott.
- Euryte, Philippi.
2106 longicauda, Philippi.
- Oithona, Claus.
2107 similis, Claus.
2108 plumifera, Dana.
2109 nana, Giesbrecht.
- Cyclopina, Claus.
2110 littoralis, G. S. Brady.
2111 gracilis, Claus.
2112 *Schneideri, T. Scott.
- Halicyclops, Norman.
2113 aequareus, Lilljeborg.
- Cyclops, O. F. Müller.
2114 affinis, G. O. Sars.
2115 albidus, Jurine.
2116 bicolor, G. O. Sars.
2117 bicuspidatus, Claus.
2118 var. helgolandicus, Rehberg.
2119 var. Lubbockii, Brady.
2120 bistriatus, Koch.
2121 bisetosus, Rehberg.
2122 *Brucei, T. Scott.
2123 capillatus, G. O. Sars.
2124 *Clausii, Heller.
2125 crassicaudis, G. O. Sars.
2126 crassus, S. Fischer.
2127 diaphanus, S. Fischer.
2128 var. dengizeca, Lepeschkin.
2129 fimbriatus, S. Fischer.
2130 fuscus, Jurine.
2131 gigas, Claus.
2132 *gracilis, Lilljeborg.
2133 hyalinus, Rehberg.
2134 insignis, Claus.
2135 languidoides, Lilljeborg.
2136 languidus, G. O. Sars.
2137 Leuckarti, Claus.
2138 *longisetosus, Nordquist.
2139 robustus, G. O. Sars.
2140 macrurus, G. O. Sars.
2141 oithonoides, G. O. Sars.
2142 phaleratus, Koch.
2143 prasinus, S. Fischer.
2144 scutifer, G. O. Sars.
2145 serrulatus, S. Fischer.
- Cyclops, O. F. Müller.—continued.
- 2146 strenuus, S. Fischer.
2147 var. Ewarti, G. S. Brady.
2148 var. abyssorum, G. O. Sars.
2149 var. lacustris, G. O. Sars.
2150 var. gracilipes, G. O. Sars.
2151 varicans, G. O. Sars.
2152 varius, Lilljeborg.
2153 var. brachyurus, Lilljeborg.
2154 var. speratus, Lilljeborg.
2155 varicans, G. O. Sars.
2156 vernalis, S. Fischer.
2157 vicinus, Uljanin.
2158 viridis, S. Fischer.
- Notodelphys, Allman.
- 2159 Allmani, Thorell.
2160 cærulea, Thorell.
2161 agilis, Thorell.
2162 prasina, Thorell.
- Doropygus, Thorell.
- 2163 pulex, Thorell.
2164 auritus, Thorell.
2165 Normani, G. S. Brady.
- Notopterophorus, Costa.
- 2166 papilio, Hesse.
2167 elatus, Costa.
2168 elongatus, Costa.
2169 gibber, Thorell.
- Bonneriella, Canu.
- 2170 longipes, Kerschner.
- Gunetotrophus, Costa.
- 2171 globularis, Costa.
- Doroixys, Kerschner.
- 2172 uncinata, Kerschner.
- Botachus, Thorell.
- 2173 cylindratus, Thorell.
- Ascidicola, Thorell.
- 2174 rosea, Thorell.
- Apostoma, Canu.
- 2175 brevicauda, Canu.
- 2176 *eruca, Norman.
= Beaumonti, T. Scott.
- Enterocola, J. Van Beneden.
- 2177 fulgens, J. Van Beneden.
- Lamippe, Giesbrecht.
- 2178 proteus, Claparedé.
2179 alcyonii, Joliet.
2180 *Forbesi, T. Scott.

	Jeanella, T. Scott.	Euterpina, Norman.
2181	*minor, T. Scott.	acutifrons, Claus.
	Botryllophilus, Hesse.	Tachidius, Lilljeborg.
2182	ruber, Hesse.	discipes, Giesbrecht.
	Misophria, Boeck.	littoralis, Poppe.
2183	pallida, Boeck.	Robertsonia, G. S. Brady.
	Longipedia, Boeck.	tenuis, Brady and Rob.
2184	coronata, Claus.	Clytemnestra, Dana.
2185	Scotti, G. O. Sars.	rostrata, G. S. Brady.
2186	*minor, T. Scott.	Miracia, Dana.
2187	*rosea, G. O. Sars.	*minor, T. Scott.
	Canuella, T. and A. Scott.	Huntemannia, Poppe.
2188	*perplexa, T. and A. Scott.	jadensis, Poppe.
2189	*furcigera, G. O. Sars.	Stenhelia, Boeck.
	Eucanuella, T. Scott.	*Blanchardi, T. and A. Scott.
2190	*spinifera, T. Scott.	*confusa, T. Scott.
	Cervinia, Norman.	*hirsuta, J. C. Thompson.
2191	*Bradii, Norman.	hispida, G. S. Brady.
	Cerviniopsis, G. O. Sars.	*hyperborea, T. Scott.
2192	*clavicornis, G. O. Sars.	ima, G. S. Brady.
	Synaristes, Hesse.	*longirostris, Norman and Scott.
2193	paguri, Hesse.	*neglecta, Norman and Scott.
	Pterinopsyllus, G. S. Brady.	*pygmæa, Norman and Scott.
2194	insignis, G. S. Brady.	*reflexa, T. Scott.
	Zosime, Boeck.	*similis, A. Scott.
2195	typica, Boeck.	*simulans, Norman and Scott.
	Ectinosoma, Boeck.	*varians, Norman and Scott.
2196	curticorne, Boeck.	Parastenhelia, Thompson and A. Scott.
2197	*elongatum, G. O. Sars.	*anglica, Norman and Scott.
2198	erythrops, G. S. Brady.	Ameira, Boeck.
2199	*finmarchicum, T. Scott.	*amphibia, G. S. Brady.
2200	*gracile, T. and A. Scott.	*exilis, T. Scott.
2201	*Herdmani, T. and A. Scott.	*gracilis, A. Scott.
2202	melaniceps, G. S. Brady.	*longicaudata, T. Scott.
2203	*neglectum, G. O. Sars.	longipes, Boeck.
2204	*Normani, T. and A. Scott.	*longiremis, T. Scott.
2205	*propinquum, T. and A. Scott.	*pusilla, Norman and Scott.
2206	*pygmæum, T. and A. Scott.	*simplex, T. Scott.
2207	Sarsi, Boeck.	Danielssenia, Boeck.
	Microsetella, Brady and Robertson.	typica, Boeck.
2208	norvegica, Boeck.	hyænæ, J. C. Thompson.
	Bradya, Boeck.	fusiformis, G. S. Brady.
2209	typica, Boeck.	Delavalia, G. S. Brady.
2210	*dilatata, G. O. Sars.	*æmula, T. Scott.
	Pseudobradya, G. O. Sars.	*Giesbrechti, T. Scott.
2211	*elegans, T. and A. Scott.	*mimica, T. Scott.
2212	*similis, T. and A. Scott.	*Normani, T. Scott.
2213	*fusca, T. and A. Scott.	*palustris, G. S. Brady.
2214	*hirsuta, T. and A. Scott.	robusta, G. S. Brady.
2215	*minor, T. and A. Scott.	var. *finmarchica, T. Scott.

- Pseudotachidius**, T. Scott.
 2255 *coronatus, T. Scott.
- Balænophilus**, Aurivillius.
 2256 *unisetosus, Aurivillius.
- Nitocra**, Giesbrecht.
 2257 oligochæta, Giesbrecht.
- 2258 paradoxa, Daday.
- 2259 tau, Giesbrecht.
- 2260 hibernica, G. S. Brady.
- Canthocamptus**, Westwood.
 2261 crassus, G. O. Sars.
- 2262 *hirticornis, T. and A. Scott.
 = *subsalus, G. S. Brady.
- 2263 horridus, S. Fischer.
- 2264 gracilis, G. O. Sars.
 = *inornatus, T. and A. Scott.
- 2265 Lilljeborgii, Boeck.
- 2266 lucidulus, Rehberg.
- 2267 minutus, Müller.
- 2268 palustris, G. S. Brady.
- 2269 *parvus, T. Scott.
- 2270 Schmeili, Mrazek.
- 2271 trispinosus, G. S. Brady.
- Attheyella**, G. S. Brady.
 2272 arctica, Lilljeborg.
- 2273 cuspidata, Schmeil.
- 2274 *Duthiei, T. and A. Scott.
- 2275 pygmæa, G. O. Sars.
- 2276 rhætica, Schmeil.
 = *Macandrei, T. Scott.
- 2277 Zschokkei, Schmeil.
 = *propinqua, T. Scott.
- Marchia**, Herrick.
 2278 Blanchardi, J. Richard.
- Moraria**, T. Scott.
 2279 brevipes, G. O. Sars.
 = *Anderson-Smithi, T. Scott.
- 2280 *Mrazeki, T. Scott.
- Marænobiotus**, Mrazek.
 2281 Vejdovskyi, Mrazek.
- Phyllognathopus**, Mrazek.
 2282 Viguieri, Maupas.
- Itunella**, G. S. Brady.
 2283 *tenuiremis, T. Scott.
- Mesochra**, Boeck.
 2284 Lilljeborgii, Boeck.
- 2285 Robertsoni, G. S. Brady.
- 2286 *spinicaudata, T. and A. Scott.
- 2287 *Macintoshii, T. and A. Scott.
- 2288 *propinqua, T. Scott.
- Paramesochra**, T. Scott.
 2289 *dubia, T. Scott.
- Neobradya**, T. Scott.
 2290 *pectinifer, T. Scott.
- Tetragoniceps**, G. S. Brady.
 2291 *brevicauda, T. Scott.
- 2292 *Bradyi, T. Scott.
- 2293 *incepta, T. Scott.
- 2294 *macronyx, T. Scott.
- 2295 malleolata, G. S. Brady.
- 2296 *pygmæa, T. Scott.
- Laophonte**, Philippi.
 2297 curticauda, Boeck.
- 2298 *depressa, T. Scott.
- 2299 forcipata, Claus.
- 2300 *Herdmani, T. Scott.
- 2301 hispida, Brady and Rob.
- 2302 *horrida, Norman.
- 2303 *inopinata, T. Scott.
- 2304 *inornata, T. Scott.
- 2305 *intermedia, T. Scott.
- 2306 lamellifera, Claus.
- 2307 *littoralis, T. and A. Scott.
- 2308 longicaudata, Boeck.
- 2309 Mahammed, Blanchard and Richard.
- 2310 *perplexa, T. and A. Scott.
- 2311 *propinqua, T. and A. Scott.
- 2312 serrata, Claus.
- 2313 similis, Claus.
- 2314 *simulans, T. Scott.
- 2315 thoracica, Boeck.
- Pseudolaophonte**, J. C. Thompson.
 2316 spinosa, J. C. Thompson.
- Ancorabulus**, Norman.
 2317 *mirabilis, Norman.
- Laophontina**, Norman and Scott.
 2318 *dubia, Norman and Scott.
- Pontopolites**, T. Scott.
 2319 *typicus, T. Scott.
- Laophontodes**, T. Scott.
 2320 *typicus, T. Scott.
- 2321 *bicornis, T. Scott.
- Cletodes**, G. S. Brady.
 2322 *curvirostris, T. Scott.
- 2323 *hirsutipes, T. Scott.
- 2324 *lata, T. Scott.
- 2325 limicola, G. S. Brady.
- 2326 var. gracilis, G. S. Brady.
- 2327 linearis, Claus.

- Cletodes, G. S. Brady.**—continued.
- 2328 longicaudata, Brady and Rob.
 2329 monensis, J. C. Thompson.
 2330 *neglecta, T. Scott.
 2331 *perplexa, T. Scott.
 2332 propinqua, Brady and Rob.
 2333 *similis, T. Scott.
 2334 *tenuipes, T. Scott.
 2335 *varians, T. Scott.
- Normanella, G. S. Brady.**
- 2336 dubia, Brady and Robertson.
 2337 attenuata, A. Scott.
- Heteropsyllus, T. Scott.**
- 2338 *curticaudatus, T. Scott.
- Leptopsyllus, T. Scott.**
- 2339 *Herdmani, Thompson and A. Scott.
 2340 *intermedia, Thompson and A. Scott.
 2341 *minor, T. and A. Scott.
 2342 *Robertsoni, T. Scott.
- Pseudocletodes, T. and A. Scott.**
- 2343 *vararensis, T. and A. Scott.
- Nannopus, G. S. Brady.**
- 2344 palustris, G. S. Brady.
- Platychelipus, G. S. Brady.**
- 2345 littoralis, G. S. Brady.
- Laophontina, T. Scott.**
- 2346 *dubia, T. Scott.
- Ilyopsyllus, G. S. Brady.**
- 2347 coriaceus, G. S. Brady.
- Enhydrosoma, G. S. Brady.**
- 2348 curvatum, G. S. Brady.
 2349 *gracile, T. Scott.
- Cylindropsyllus, G. S. Brady.**
- 2350 lævis, G. S. Brady.
 2351 *minor, T. Scott.
- Diosaccus, Boeck.**
- 2352 tenuicornis, Claus.
- Dactylopusia, Norman.**
- 2353 brevicornis, Claus.
 2354 debilis, Giesbrecht.
 2355 flava, Claus.
 2356 longirostris, Claus.
 2357 var. *finmarchica, T. Scott.
 2358 minuta, Claus.
 2359 *ornata, Norman and Scott.
 2360 *platycheles, G. S. Brady.
 2361 *purpurocincta, Norman and Scott.
 2362 *rostrata; T. Scott.

- Dactylopusia, Norman.**—continued.
- 2363 similis, Claus.
 2364 Strœmii, Baird.
 2365 var. *arctica, T. Scott.
 2366 tenuiremis, Brady and Rob.
 2367 tisboides, Claus.
 2368 *valida, Norman and Scott.
- Thalestris, Claus.**
- 2369 *Clausi, Norman.
 2370 Cronii, Kröyer.
 2371 forficula, Claus.
 2372 gibba, Kröyer.
 2373 polaris, T. Scott.
 2374 harpacticoides, Claus.
 2375 helgolandica, Claus.
 2376 hibernica, Brady and Rob.
 2377 *Jacksoni, T. Scott.
 2378 longimana, Claus.
 2379 mysis, Claus.
 2380 *Normani, T. Scott.
 2381 peltata, Boeck.
 2382 *rufocincta, Norman.
 2383 rufoviolascens, Claus.
- Westwoodia, Baird.**
- 2384 nobilis, Baird.
- Pseudothalestris, G. S. Brady.**
- 2385 *Andrewi, T. Scott.
 2386 *major, T. and A. Scott.
 2387 *pygmæa, T. and A. Scott.
- Harpacticus, Dana.**
- 2388 chelifer, Müller.
 2389 flexus, Brady and Rob.
 2390 gracilis, Claus.
 2391 *obscurus, T. Scott.
 2392 uniremis, Kröyer.
- Tigriopus, Norman.**
- 2393 fulvus, S. Fischer.
- Zaus, Goodsir.**
- 2394 *abbreviatus, G. O. Sars.
 2395 spinatus, Goodsir.
 2396 Goodseri, G. S. Brady.
 2397 Aurelii, Poppe, P.
- Alteutha, Baird.**
- 2398 interrupta, Goodsir.
 2399 depressa, Baird.
 2400 = Peltidium crenulatum, Brady.
 *purpurocincta, Norman.

- Peltidium, Philippi.
- 2401 *purpureum*, Philippi.
- 2402 **conspicuum*, Norman and Scott.
- Tegastes, Norman.
- 2403 **flavidus*, G. O. Sars.
- 2404 **falcatus*, Norman.
- Parategastes, G. O. Sars.
- 2405 *sphaericus*, Claus.
- =*A. nigrans*, T. Scott.
- Porcellidium, Claus.
- 2406 *fimbriatum*, Claus.
- 2407 *lecanoides*, Claus.
- Aspidiscus, Norman.
- 2408 **fasciatus*, Norman.
- 2409 *littoralis*, G. O. Sars.
- Machairopus, G. S. Brady.
- 2410 **minutus*, G. O. Sars.
- Psamathe, Philippi.
- 2411 *tisboides*, Claus.
- 2412 **Arthuri*, Poppe.
- Tisbe, Lilljeborg.
- 2413 *furcata*, Baird.
- 2414 **minor*, T. and A. Scott.
- 2415 **longicornis*, T. and A. Scott.
- 2416 **tenera*, G. O. Sars.
- 2417 **finmarchica*, G. O. Sars.
- Monstrilla, Dana.
- 2418 *anglica*, Lubbock.
- 2419 *longicornis*, J. C. Thompson.
- 2420 *gracilicauda*, Giesbrecht.
- 2421 **dubia*, T. Scott.
- Thaumaleus, Kröyer.
- 2422 *Danæ*, Claparede.
- 2423 **rostratus*, T. Scott.
- 2424 *rigidus*, J. C. Thompson.
- 2425 *Thompsoni*, Giesbrecht.
- Asterocheres, Boeck.
- 2426 *Boeckii*, G. S. Brady.
- 2427 *suberites*, Giesbrecht.
- 2428 **echinocola*, Norman.
- 2429 *violaceus*, Claus.
- 2430 **simulans*, T. Scott.
- 2431 *Lilljeborgii*, Boeck.
- Rhynchomyzon, Giesbrecht.
- 2432 **purpurocinctum*, T. Scott.
- Scottocheres, Giesbrecht.
- 2433 **elongatus*, T. and A. Scott.
- Callocheres, Canu.
- 2434 *gracilicauda*, G. S. Brady.
- Mesocheres, Norman and Scott.
- 2435 **anglicus*, Norman and Scott.
- Dermatomyzon, Claus.
- 2436 *nigripes*, Brady and Rob.
- Scottomyzon, Giesbrecht.
- 2437 **gibberum*, T. and A. Scott.
- Acontiophorus, Brady and Robertson.
- 2438 *scutatus*, Brady and Rob.
- Cribropontius, Giesbrecht.
- 2439 *Normani*, Brady and Rob.
- Bradyponlius, Giesbrecht.
- 2440 *magniceps*, G. S. Brady.
- Parartotragus, T. and A. Scott.
- 2441 **Richardi*, T. and A. Scott.
- Dyspontius, Thorell.
- 2442 *striatus*, Thorell.
- Cancerella, Dalyell.
- 2443 *tubulata*, Dalyell.
- Copilia, Dana.
- 2444 *mirabilis*, Dana.
- 2445 *quadrata*, Dana.
- 2446 *denticornis*, Claus.
- Lubbockia, Claus.
- 2447 *squillimana*, Claus.
- Oncæa, Philippi.
- 2448 *mediterranea*, Claus.
- 2449 *media*, Giesbrecht.
- 2450 *conifera*, Giesbrecht.
- Conæa, Giesbrecht.
- 2451 *rapax*, Giesbrecht.
- Corycæus, Dana.
- 2452 *anglicus*, Lubbock.
- 2453 **flaccus*, Giesbrecht.
- 2454 *furcifer*, Claus.
- 2455 *obtusus*, Dana.
- 2456 *ovalis*, Claus.
- 2457 *rostratus*, Claus.
- 2458 *venustus*, Claus.
- Sapphirina, J. V. Thompson.
- 2459 *angusta*, Dana.
- 2460 *gemma*, Dana.
- 2461 *metallica*, Dana.
- 2462 *nigromaculata*, Claus.
- 2463 *splendens*, Dana.
- 2464 **stellata*, Giesbrecht.
- Modiolicola, Aurivillius.
- 2465 *insignis*, Aurivillius.

	Lichomolgus, Thorell.
2466	agilis, Leydig.
2467	forficula, Thorell.
2468	fucicola, G. S. Brady.
2469	*hirsutipes, T. Scott.
2470	*pteroidis, Della Valle.
	Hermanella, Canu.
2471	arenicola, G. S. Brady.
2472	*finmarchica, T. and A. Scott.
2473	maxima, J. C. Thompson.
2474	*parva, Norman and Scott.
2475	rostrata, Canu.
	Synatiphilus, Canu and Guenot.
2476	luteus, Canu and Guenot.
	Sabelliphilus, Claparede.
2477	Sarsi, Claparede.
	Heteranthessius, T. Scott.
2478	furcillatus, Thorell.
2479	gracilis, Claus.
2480	liber, Brady and Rob.
2481	Thorelli, Brady and Rob.
	Anthessius, Della Valle.
2482	solecurti, Della Valle.
	Clausidium, Kossman.
2483	apodiforme, Philippi.
	Hersiloides, Canu.
2484	*aberdonensis, T. Scott.
2485	*littoralis, T. Scott.
	Nereicola, M. Sars.
2486	*concinna, T. Scott.
	Eolidicola, M. Sars.
2487	tenax, M. Sars.
	Selioides, Levinsen.
2488	*Bolbræi, Levinsen.
	Crypsodomus, Levinsen.
2489	*terebellæ, Levinsen.
	Ergasilus, Nordmann.
2490	Sieboldi, Nordmann.
2491	nanus, E. van Beneden.
	Thersitina, Norman.
2492	gasterostei, Pagensteker.
	Bomolochus, Nordmann.
2493	cornutus, Claus.
2494	*onosi, T. Scott.
2495	soleæ, Claus.
	Nicotħæ, Audouin and Milne Edwards.
2496	astaci, Audouin and Milne Edwards.

	Splanchnotrophus, Hancock and Norman.
2497	gracilis, Hancock and Norman.
	Chondracanthus, Delaroche.
2498	annulatus, Olsson.
2499	angustatus, Heller.
2500	cornutus, Müller.
2501	lophii, Johnston.
2502	merluccii, Holten.
2503	nodosus, Müller.
2504	*ornatus, T. Scott.
2505	soleæ, Kröyer.
2506	zei, Delaroche.
	Oralion, Bassett-Smith.
2507	asellinus, Linné.
	Sphyriion, Cuvier.
2508	lumpi, Kröyer.
	Diocus, Kröyer.
2509	gobinus, Fabricius.
	Caligus, O. F. Müller.
2510	centrodonti, Baird.
2511	curtus, Müller.
2512	diaphanus, Nordmann.
2513	elegans, J. Van Beneden.
2514	*hippuris, Heller.
2515	*labracis, T. Scott.
2516	*micropus, Norman.
2517	minimus, Otto.
2518	rapax, H. Milne Edwards.
2519	sombri, Bassett-Smith.
2520	vexator, Heller.
2521	*zei, Norman and Scott.
	Lepeophtheirus, Nordmann.
2522	branchialis, Malm.
2523	hippoglossi, Kröyer.
2524	Nordmanni, H. Milne Edwards.
2525	pectoralis, Müller.
2526	pollachii, Bassett-Smith.
2527	Strömii, Baird.
2528	Thompsoni, Baird.
	Sciænophilus, J. Van Beneden.
2529	tenuis, J. Van Beneden.
	Pseudocaligus, T. Scott.
2530	brevipes, Bassett-Smith.
	Demoleus, Heller.
2531	paradoxus, Otto.
	Trebius, Kröyer.
2532	caudatus, Kröyer.

	Nogagus, Leach.	Lamproglena, Nordmann.
2533	Lütkeni, Norman.	pulchella, Nordmann.
	Euryphorus, Nordmann.	Lernæocera, Blainville.
2534	nymphæ, Steens. and Lütk.	esocina, Burmeister.
	Lütkenia, Claus.	Lernæascus, Claus.
2535	glabra, Heller.	*nematoxys, Claus.
	Dinematura, Latreille.	Peniculus, Nordmann.
2536	ferox, Kröyer.	fistula, Nordmann.
2537	latifolia, Steens. and Lütk.	Lophoura, Kollar.
2538	producta, Müller.	Edwardsi, Kollar.
	Elytrophora, Gerstaeker.	Lernæenicus, Lesson.
2539	brachyptera, Gerstaeker.	sprattæ, Sowerby.
	Perissopus, Steenstrup and Lütken.	vorax, Richiardi.
2540	dentatus, Steens. and Lüt.	Lernæa, Linné.
	Philorthagorisca, Horst.	branchialis, Linné.
2541	serratus, Kröyer.	lusci, Bassett-Smith.
	Phyllothyreus, Norman.	*minuta, T. Scott.
2542	cornutus, H. Milne Edwards.	Hæmobaphes, Steenstrup and Lütken.
	Echthrogaleus, Steenstrup and Lütken.	*ambigua, T. Scott.
2543	coleoptratus, Guérin.	2573 cyclopterina, Fabricius.
	Cecrops, Leach.	Pennella, Oken.
2544	Latreillii, Leach.	filosa, Linné.
	Orthagoriscola, Poche.	2575 *balænopteri, Koren and Danielssen.
2545	muricatus, Kröyer.	Lernæopoda, Kröyer.
	Pandarus, Leach.	2576 *alpina, Olsson.
2546	bicolor, Leach.	2577 *bidiscalis, Kane.
2547	carchariæ, Leach.	2578 carpionis, Kröyer.
	Lernanthropus, Nordmann.	2579 *clavigera, Olsson.
2548	Gesleri, J. Van Ben.	2580 elongata, Grant.
2549	Kröyeri, J. Van Ben.	2581 galei, Kröyer.
2550	*mugilis, Brian.	2582 *lotæ, Olsson.
	Lonchidium, Gerstaeker.	2583 salmonea, Linné.
2551	lineatum, J. Van Ben.	Thysanote, Kröyer.
	Dichelestium, Hermann.	2584 impudica, Nordmann.
2552	sturionis, Hermann.	Basanistes, Nordmann.
	Clavella, Oken.	2585 huchonis, Shrank.
2553	hippoglossi, Kröyer.	Achtheres, Nordmann.
2554	labracis, J. Van Ben.	2586 percarum, Nordmann.
2555	mulli, J. Van Ben.	2587 selachiorum, Kurz.
	Congericola, J. Van Beneden.	Charopinus, Kröyer.
2556	pallida, J. Van Ben.	2588 Dalmanni, Retz.
	Nemesia, Roux.	2589 *dubius, T. Scott.
2557	lamnæ, Roux.	2590 ramosus, Kröyer.
	Eudactylina, J. Van Beneden.	Trachelastes, Nordmann.
2558	*acanthii, T. Scott.	2591 polycolpus, Nordmann.
2559	acuta, J. Van. Ben.	
2560	*minuta, T. Scott.	
2561	*similis, T. Scott.	

Brachiella, Cuvier.	Chelonobia, Leach.
2592 bispinosa, Nordmann.	2626 testudinaria, Linné.
2593 Chevreuxi, J. Van Ben.	2627 Coronula, Lamarck.
2594 insidiosa, Heller.	2628 diadema, Linné.
2595 obesa, Kröyer.	2629 Tubicinella, Lamarck.
2596 rostrata, Kröyer.	2630 trachealis, Shaw.
2597 triglæ, Claus.	2631 Xenobalanus, Steenstrup.
2598 thynni, Cuvier.	2632 globicipitis, Steenstrup.
Anchorella, Cuvier.	Chthalamus, Ranzani.
2599 emarginata, Kröyer.	2633 Strömia, O. F. Müller.
2600 fallax, Heller.	2634 Pollicipes, Leach.
2601 hostilis, Heller.	2635 cornucopia, Leach.
2602 pagri, Kröyer.	Scalpellum, Leach.
2603 paradoxa, J. Van Ben.	2636 vulgare, Leach.
2604 rugosa, Kröyer.	2637 Strömii, M. Sars.
2605 sargi, Kurz.	2638 angustum, G. O. Sars.
2606 scombri, Kurz.	2639 hamatum, G. O. Sars.
2607 stellata, Kröyer.	Alepas, Sander Rang.
2608 triglæ, Claus.	2640 minuta, Philippi.
2609 uncinata, Müller.	Conchoderma, Olfers.
Herpyllobius, Steenstrup and Lütken.	2641 auritum, Linné.
2610 *arcticus, Steens. and Lüt.	2642 virgatum, Spengler.
Salenskya, Giard and Bonnier.	2643 *gracile, Heller.
2611 tuberosa, Giard and Bon.	Lepas, Linné.
Homeoscelis, H. J. Hansen.	2644 anatifera, Linné.
2612 *minuta, H. J. Hansen.	2645 ansiferina, Linné.
Stenothocheres, H. J. Hansen.	2646 pectinata, Spengler.
2613 *egregius, H. J. Hansen.	2647 fascicularis, Ellis and Sol.
Aspidocæcia, Giard and Bonnier.	Dichelaspis, Darwin.
2614 *Normani, Giard and Bonnier.	2648 Darwini, Filippi.
Sphaeronella, H. J. Hansen.	Trypetesa, Norman.
2615 paradoxa, H. J. Hansen.	2649 lampas, Hancock.
2616 *norvegica, H. J. Hansen.	Synagoga, Norman.
Order XVII.—CIRRIPEDIA.	2650 *mira, Norman.
Balanus, Lister.	Sarcotaces, Olsson.
2617 tintinnabulum, Linné.	2651 arcticus, Collett.
2618 perforatus, Bruguière.	Clistosaccus, Lilljeborg.
2619 porcatus, Da Costa.	2652 paguri, Lilljeborg.
2620 spongicola, Darwin.	Peltogaster, Rathke.
2621 crenatus, Bruguière.	2653 socialis, Fr. Müller.
2622 balanoides, Linné.	2654 paguri, Rathke.
2623 Hameri, Ascanius.	2655 sulcatus, Lilljeborg.
Acasta, Leach.	Sacculina, J. V. Thompson.
2624 spongites, Poli.	2656 carcinii, J. V. Thompson.
Pyrgoma, Leach.	2657 triangularis, Anderson.
2625 anglicum, Leach.	2658 phalangi, Hock.
	2659 *galatheæ, Norman and Scott.

Lernæodiscus, Fr. Müller.2656 *subterraneus*, Kossman.**Sylon, Kröyer.**2657 *hippolytes*, Kröyer.2658 *Schneideri*, Hock.**A D D E N D A.****Order I.—BRACHYURA.****Chionocetes, Kröyer.**2659 **Tanneri*, M. Rathbun, P.**Order II.—ANOMURA.****Cymonomus, A. Milne Edwards.**2660 **Normani*, Lankester.**Eupagurus, Brandt.**2661 *middendorffianus*, Brandt.2662 *variabilis*, A. M. Edw. and Bouv.**Munida, Leach.**2663 *curvimana*, A. M. Edw. and Bouv.**Order IV.—CARIDA.****Crangon, Fabricius.**2664 *affinis*, De Haan, P.2665 *franciscorum*, Stimpson, P.**Paracrangon, Dana.**2666 *echinatus*, Dana.**Sclerocrangon, G. O. Sars.**2667 *munitus*, Dana, P.**Chloroticus, A. Milne Edwards.**2668 *gracilis*, A. Milne Edw.**Lucifer, J. V. Thompson.**2669 *typus* (M. Edw.), Faxon.**Order V.—SCHIZOPODA.****Euphausia, Dana.**2670 *Mülleri*, Claus.**Paramysis, Czerniavsky.**2671 *Baeri*, Czern.2672 *Kessleri*, Grimm.**Mesomysis, Czerniavsky.**2673 *Kowalevskii*, Czern.2674 **Czerniavskii*, G. O. Sars.**Katamysis, G. O. Sars.**2675 **Warpachowskii*, G. O. Sars.**Limnomysis, Czerniavsky.**2676 *Benedeni*, Czern.**Austromysis, Czerniavsky.**2677 **loxolepis*, G. O. Sars.**Mysis, Fabricius,**2678 **microphthalmia*, G. O. Sars.**Order VII.—SYMPODA.****= Cumacea.****Bodotria, Spence Bate.**2679 **gibba*, G. O. Sars.**Pseudocuma, G. O. Sars.**2680 **ciliata*, G. O. Sars.2681 **cercarioides*, G. O. Sars.**Pterocuma, G. O. Sars.**2682 *pectinata*, Sowinsky.2683 **Sowinskii*, G. O. Sars.**Stenocuma, G. O. Sars.**2684 **gracilis*, G. O. Sars.2685 **tenuicauda*, G. O. Sars.2686 **graciloides*, G. O. Sars.**Schizorhynchus, G. O. Sars.**2687 **bilamellatus*, G. O. Sars.**Nannastacus, Spence Bate.**2688 **longirostris*, G. O. Sars.**Campylaspis, G. O. Sars.**2689 **glabra*, G. O. Sars.2690 **affinis*, G. O. Sars.**Procampylaspis, Bonnier.**2691 *armata*, Bonnier.**Order VIII.—ISOPODA.****Apseudes, Leach.**2692 **tenuimanus*, G. O. Sars.**Heterotanais, G. O. Sars.**2693 **Gurneyi*, Norman.**Typhlotanais, G. O. Sars.**2694 **messanensis*, G. O. Sars.2695 **cornutus*, G. O. Sars.**Tanaissus, Norman and Scott.**2696 **Lilljeborgii*, Stebbing.**Pseudotanais, G. O. Sars.**2697 *macrocheles*, G. O. Sars.

	Cryptocope, G. O. Sars.	Haplonyx, G. O. Sars.
2698	*voringi, G. O. Sars.	*exiguus, Chevreux.
	Gnathia, Leach.	Bathyporeia, Lindström.
2699	oxyuræa, Lillejeborg.	pilosa, Lindström.
2700	*stygia, G. O. Sars.	
2701	*hirsuta, G. O. Sars.	Byblis, Boeck.
2702	*robusta, G. O. Sars.	2727 *longicornis, G. O. Sars.
	Æga, Leach.	2728 *abyssi, G. O. Sars.
2703	*megalops, Norman and Stebbing.	Amphilochus, Bale.
	Cirolana, Leach.	2729 tenuimanus, Boeck.
2704	*gallica, H. J. Hansen.	Gitana, Boeck.
2705	Hansenii, J. Bonnier.	2730 *abyssi, G. O. Sars.
2706	cæca, A. Dollfus.	Leucothoe, Leach.
	Eurydice, Leach.	(1095) *pachycera, Della Valle.
2707	*affinis, H. J. Hansen.	Monoculodes, Stimpson.
2708	*rotundicauda, Norman MS.	2731 tenuirostratus, Boeck.
	Arcturus, Latreille.	Pontocrates, Boeck.
2709	*scabrosus, Norman.	2732 arcticus, G. O. Sars.
	Idotea, Fabricius.	Paramphithoe, Bruzelius.
2710	ochotensis, Brandt, P.	2733 *euacantha, G. O. Sars.
2711	Wossnessenskii, Brandt, P.	Eusirus, Kröyer.
	Glyptonotus, Eights.	2734 Holmii, H. J. Hansen.
2712	*megalurus, G. O. Sars.	Rhachiotropis, S. J. Smith.
2713	sibericus, Bivona.	2735 oculata, H. J. Hansen.
	Armadillidium, Brandt.	Cleippides, Boeck,
2714	*oliveti, L. Koch.	2736 quadricuspis, Heller.
2715	*petræum, L. Koch.	Apherusa, Walker.
	Porcellio, Latreille.	2737 *ovalipes, Norman and Scott.
2716	conspersus, C. Koch.	Dexamine, Leach.
2717	*saltuum, L. Koch.	2738 spiniventris, Costa.
2718	*socialis, L. Koch.	Polycheria, Haswell.
	Metaponorthus, Budde-Lund.	2739 *Osborni, Calman, P.
2719	amoenus, C. Koch.	Amathilopsis, Heller.
	Pleurocrypta, Hesse.	2740 spinigera, Heller.
2720	cluthæ, T. Scott.	Gammarus, Fabricius.
(830)	Patiencei, T. Scott.	2741 rhipidiophorus, Catta.
	=Bopyroides furcata, Norman MS.	Echinogammarus, Stebbing.
	Clypeoniscus, Giard and Bonnier.	2742 Godlewskii, Dybowsky.
2721	Meinerti, Giard and Bonnier.	2743 *Labbei, Chevreux.
	Order X.—AMPHIPODA.	2744 Maacki, Gerstfeldt.
	Dairella, Bovallius.	2745 cyaneus, Dybowsky.
2722	latissima, Bovallius.	2746 lividus, Dybowsky.
	Hippomedon, Boeck.	Micruropus, Stebbing.
2723	Hölbolli, Kröyer.	Wahli, Dybowsky.
2724	var. *abyssicola, G. O. Sars.	

- Niphargus, Schiödte.**
- 2748 Kochianus, Bate.
 2749 *Plateaui, Chevreux.
 2750 *Ladmiraulti, Chevreux.
 2751 *Virei, Chevreux.
 2752 fontanus, Bate.
- Pseudoniphargus, Chevreux.**
- 2753 *africanus, Chevreux.
- Melita, Leach.**
- 2754 *pallida, G. O. Sars.
- Erichthonius, Leach.**
- 2755 *megalops, G. O. Sars.
- Dulichia, Kröyer.**
- 2756 curticauda, Boeck.
- Paradulichia, Boeck.**
- 2757 *typica, Boeck.
- Æginina, Norman.¹**
- 2758 *echinata, Boeck.
- Caprella, Lamarck.**
- 2759 *monocera, G. O. Sars.
 2760 tuberculata, Bate and West.
 (1410) septentrionalis, Kröyer.
 2761 var. nodifera, Mayer.
 (1412) acanthifera, Leach.
 2762 var. lævissima, Mayer.
 2763 var. elatior, Mayer.
 2764 var. tuberigera, Mayer.
 2765 Danilevskii, Czerniavsky.
 2766 alaskana, P.
- Paracaprella, Mayer.**
- 2767 *tenuis, Mayer.
- Læropus, Mayer.**
- 2768 elongatus, Mayer.

Order XII.—PHYLLOPODA.

- Estheria, Straus.**
- 2769 Davidi, Simon.
 2770 sahlbergi, Simon.
- Apus, Schæffer.**
- 2771 granarius, Lucas.
 2772 macrurus, Lilljeborg.
- Branchinecta, Verrill.**
- 2773 *orientalis, G. O. Sars.

¹ Nov. nom. for *Ægina*, Kröyer (nec Eschscholtz 1829).

- Branchipodopsis, G. O. Sars.**
- 2774 *affinis, G. O. Sars.
- Order XIII.—CLADOCERA.**
- Daphnia, O. F. Müller.**
- (1474) longispina, O. F. Müller.
 2775 var. *simulans, G. O. Sars.
 2776 var. *pulchella, G. O. Sars.
 2777 var. *turbanata, G. O. Sars.
 2778 var. *microcephala, G. O. Sars.
 2779 *triquetra, G. O. Sars.
 2780 carinata, King.
- Daphniopsis, G. O. Sars.**
- 2781 *tibitana, G. O. Sars.
- Simosa, Norman.**
- 2782 *producta, G. O. Sars.
 2783 *vetuloides, G. O. Sars.
 2784 *mixta, G. O. Sars.
- Scapholeberis, Schödler.**
- 2785 *echinatula, G. O. Sars.
- Moina, Baird.**
- 2786 micrura, Kurz.
 2787 macrocopa, Straus.
 2788 *microphthalmia, G. O. Sars.
- Acroperus, Baird.**
- 2789 neglectus, Lilljeborg.
- Alonopsis, G. O. Sars.**
- 2790 ambigua, Lilljeborg.
- Dunhevedia, King.**
- 2791 setigera, Birge.
- Bythotrephes, Leydig.**
- 2792 arctica, Lilljeborg.
- Cercopagis, G. O. Sars.**
- 2793 *neonilæ, G. O. Sars.
- Evadne, Lovén.**
- 2794 *hircus, G. O. Sars.
 2795 *camptonyx, G. O. Sars.
 2796 var. *angusta, G. O. Sars.
 2797 var. *orthonyx, G. O. Sars.
 2798 var. *macronyx, G. O. Sars.
 2799 var. *hamulus, G. O. Sars.
 (1630) trigona, G. O. Sars.
 2800 var. *trigonoides, G. O. Sars.
 2801 var. *pusilla, G. O. Sars.

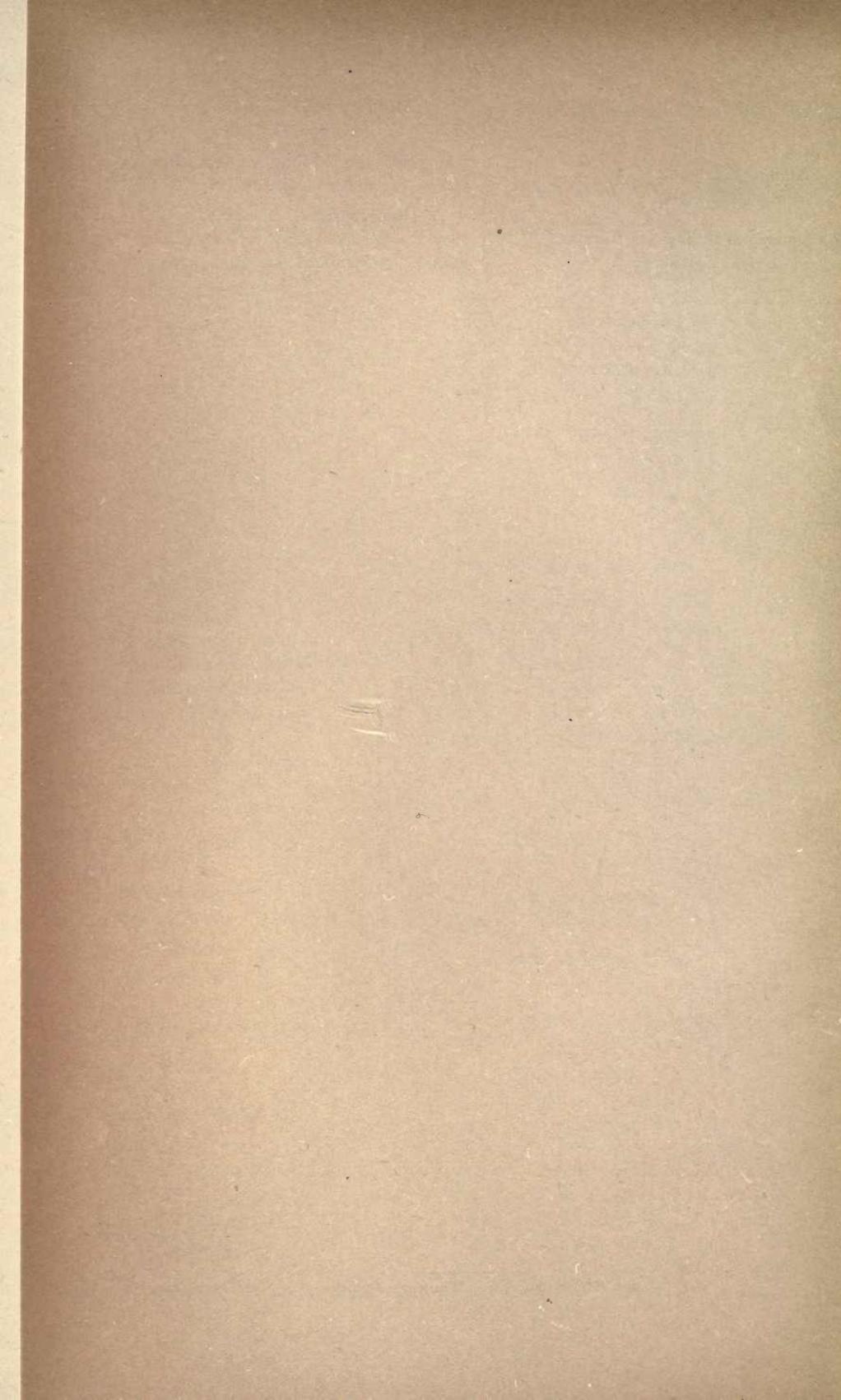
Order XV.—OSTRACODA.**Cypris, O. F. Müller.**

- 2802 **inflata*, G. O. Sars.
 2803 **ovalis*, G. O. Sars.

Herpetocypris, Brady and Norman.

- 2804 *peregrina*, Croneberg.

Stenocypris, G. O. Sars.**Chevreuxi*, G. O. Sars.**Ilyocypris, Brady and Norman.***lacustris*, Kaufman.**Cypridopsis, G. S. Brady.****granulata*, G. O. Sars.**arcuata*, G. O. Sars.



With the Compiler's Compliments.

MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN, M.A., D.C.L., F.L.S.

IV. MOLLUSCA MARINA.

V. BRACIOPODA.

PRINTED FOR PRIVATE DISTRIBUTION.

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PREFATORY NOTES.

These Catalogues are printed in order to make known to Curators of Museums and private Naturalists the present state of my collections, and to invite exchange.

I shall be glad of any opportunities which may be afforded me of procuring, either by exchange or purchase, species not contained in this list.

In return for desiderata which may be kindly offered me, I shall be happy to send either Mollusca or, if preferred, animals belonging to other classes of Marine Invertebrata. Of course it will be understood that a catalogue which embraces my entire collection necessarily includes a large number of forms of which there are no duplicates.

Letters should be addressed—

BURNMOOR RECTORY,
FENCE HOUSES,
Co. DURHAM.

The Collections to which these Catalogues refer are in the main confined to the Fauna of Europe, together with that of the Arctic and North Atlantic Oceans, including the seas connected with them.

The North Atlantic Ocean is here regarded as terminating towards the South at Lat. 35° N ; or at a line drawn from a little to the South of the Straits of Gibraltar on the Eastern, to Cape Hatteras on the Western side. This boundary is adopted as perhaps the best to embrace the Arctic and Temperate regions, and at the same time to exclude the tropical animals of the Gulf of Mexico. The entire area of the Mediterranean is of course included.

There are added, however, in the present Catalogue certain Mollusca, which come from seas beyond those which are indicated in the last paragraph. Inasmuch as much light is thrown upon the Mediterranean by the study of the distribution of its Fauna in a southerly direction, the Mollusca of the Madeiran Province have been procured. Such species as are found in that Province but not in the Mediterranean are indicated by the letter *M* placed after them.

With a view also to a greater knowledge of the distribution of the Arctic and Circumpolar Fauna, I have been glad to procure Mollusca from the Arctic and North Temperate portion of the Pacific, especially from Behring Strait and the Arctic coasts of Asia. The few forms from this district which are not as yet recognised as Circumpolar are distinguished by the appended letter *P*.

The general arrangement here adopted for the Mollusca is that of Dr. Paul Fischer in his recently published "Manuel de Conchylologie."

The object of this Catalogue is rather to enumerate all the forms in a collection than to correct error, and therefore a large number of names are retained as specific which I am myself unable to regard as more than varietal. Authors have given them specific rank, and it has been judged therefore better so to retain them here. Either as "species" or as "varieties" modifications of form are always interesting.

My friend the Marquis di Monterosato, and some other writers on Mediterranean Mollusca would seem to act upon the principle that there is strong probability in favour of a shell found in the Mediterranean being distinct from a closely allied Atlantic form, and hence a slight amount of difference is regarded as specific. My own view coincides with that of my regretted friend and companion in so many dredging expeditions, the late Dr. Jeffreys, that when the little-known Fauna of the West African coast, as well as that of Spain and Portugal shall have been thoroughly investigated it will be found that very few true species will remain peculiar to the Mediterranean.

The chief deficiencies in this collection of Marine Mollusca occur in the following groups :—

1. Mollusca of the North Eastern coasts of the United States.
Attempts to obtain these have been singularly unfortunate.
The larger shallow-water forms have been procured partly in exchange from the United States National Museum, but chiefly by purchase from dealers. Hardly any of the minute shallow-water species or of the deep-water shells are in my collection.
2. Cephalopoda and Nudibranchiata. Unfortunately, a large number of the latter collected long ago were found, when unpacked after many years, to have been almost all lost from evaporation of the spirit.
3. Abyssal Atlantic and Mediterranean forms.
4. Asiatic, Arctic and Alaskan species.

INLAND MOLLUSCA OF THE PALÆARCTIC REGION.

I take this opportunity of mentioning as desiderata the Inland Mollusca of those parts of Africa and Arabia which lie to the North of the Tropic of Cancer; of Asia Minor, Persia, Afghanistan, and the entire Russian Empire; as well as those of the Azorean, Canarian, and Cape Verde Islands. I shall be glad either to purchase these, or to send in exchange for them European Land or Marine Mollusca.

Catalogues already published :—

- I.—ECHINODERMATA.
- II.—PANTOPODA.
- III.—CRUSTACEA.

MUSEUM NORMANIANUM.

IV.—MOLLUSCA MARINA.

Class I.—CEPHALOPODA.

- Argonauta**, Linné.
1 argo, Lin.
Ocythoe, Rafinesque.
2 tuberculata, Rafinesque.
Octopus, Lamarck.
3 vulgaris, Lamk.
4 Salutii, Vérany.
5 macropus, Risso.
6 De-Filippi, Vérany.
7 arcticus, Prosch. = Bairdii Verrill.
Scæurgus, Troschel.
8 tetricirrus (Del. Ch.) Tiberi.
9 moschata, Lamk.
10 cirrhosa, Lamk. = Aldrovaldi D. Ch.
Sepiola, Rondeletius.
11 Rondeletii, Leach.
12 atlantica, D'Orb.
Rossia, Owen.
13 macrosoma (Del. Ch.), D'Orb.
14 Oweni, Ball.
15 tenera, Verrill.
Sepia, Linné.
16 officinalis, Lin.
17 elegans Blainv.
18 rupellaria, D'Orb. = biserialis, Vérany.
Loligo, Lamarck.
19 vulgaris, Lamk.
20 Pealii, Lesueur.
21 media, Lin.
Todarodes, Steenstrup.
22 sagittatus, Lamk.
Illex, Steenstrup.
23 Coindeti, Vérany.

Spirola, Lamarck.

24 Peronii, Lamk.

Class II.—PTEROPODA.

Clione, Pallas.

- 25 limacina, Phipps.
Pneumoderma, Cuvier.
26 mediterraneum, Van Ben.
Cymbulia, Per. & Les.
27 Peronii, Cuvier.
Tiedemannia, Delle Chiaje.
28 neapolitana, Del. Ch.
Limacina, Cuvier.
29 helicina, Phipps.
Spirialis, Eyd & Soul.
30 retroversus, Fleming.
31 contortus, Monts.
32 baleus, Möll.
33 trochiformis, Soul.
33* bulimoides, D'Orb.
Peracle, Forbes.
34 reticulata, D'Orb.
Embolus, Jeffreys.
35 rostralis, Soul.
Diacria, Gray.
36 trispinosa, D'Orb.
37 mucronata, D'Orb.
Cavolinia, Giöeni.
38 tridentata, Forskäl.
39 quadridentata, Lesueur.
40 gibbosa, Rang.
41 uncinata, D'Orb.
42 inflexa, Lesueur.

Cavolinia, Giöeni.—continued.

- 43 longirostris, Lesueur.
 43* labiata, Souleyet.
Triptera, Quoy & Gaim.
 44 columella, Rang.
Balantium, Leach.
 45 striatum, Rang.
Cleodora Pér. & Les.
 46 pyramidata, Lamk.
Hyaloclylix H. Fol.
 47 striata, Rang.
Styliola, Lesueur.
 48 subulata, Quoy & Gaim.
 49 recta, Lesueur.
 50 acicula, Rang.
 51 conica, Costa.
 51* virgula, Rang.
-

Class III.—GASTROPODA.**Order I.—Pulmonata.**

- Oncidium, Buchanan.**
 52 celticum, Cuv.
Pedipes, Adamson.
 53 afra, Gmel. *M.*
Alexia, Leach.
 54 bidentata, Montg.
 55 *a.* alba, Turt.
 56 myosotis, Drap.
 57 *a.* ringens, Turt.
 58 Firminii, Payr.
 59 lineata, Say.
Otina, Gray.
 60 otis, Turt.
 61 *a.* candida, Jeff.
Gadinia, Philippi.
 62 Garnotti, Payr.
Williamia, Monterosato.
 63 Gussonæ, G. O. Cos.
Siphonaria, Lamarck.
 64 algesiræ, Quoy & Gaim.

Order II.—Opisthobranchiata.

- Doris, Linné.**
 65 tuberculata, Cuv.
 66 repanda, Ald. & Han.
 67 verrucosa, Cuv.
 68 argo, Lin.
 68* Loveni, Ald. & Han.

Chromodoris, Ald. & Han.

- 69 elegans, Cantr.
 70 gracilis, Iherg.
Lamellidoris, Ald. & Han.
 71 bilamellata, Lin.
 72 aspera, Ald. & Han.
Acanthodoris, Gray.
 73 pilosa, Müll.
Ancula, Lovén.
 74 cristata, Ald.
Idalia, Leuckart.
 75 Leachii, Ald. & Han.
Triopa, Johnston.
 76 claviger, Müll.
Ægirus, Lovén.
 76* punctilucens, D'Orb.
Pleurophylliidea, Meckel.
 77 Loveni, Bergh.
Tritonia, Cuvier.
 78 tethydea, Del. Ch.
Dendronatus, Ald. & Han.
 78* arborescens, Müll.
Hero, Lovén.
 78** formosa, Lovén.
Marionia, Vayssiere.
 79 quadrilatera, Schultz.
Tethys, Linné.
 80 leporina, Lin.
Scyllæa, Linné.
 81 pelagica, Lin.
Phyllirhoe, Pér. & Les.
 82 bucephala, Péron.
Janus, Verany.
 83 cristatus, Del. Ch.
Proctonotus, Ald. & Han.
 84 mucronifer, Ald. & Han.
Eolis, Cuvier.
 85 papillosa, Lin.
Cavolina, Cuvier.
 86 viridis, Forbes.
Cuthona, Ald. & Han.
 87 aurantiaca, Ald. & Han.
Galvina, Ald. & Han.
 88 tricolor, Forbes.
 89 picta, Ald. & Han.
Coryphella, Gray.
 90 Landsburgii, Ald. & Han.
Facelina, Ald. & Han.
 91 Drummondii, Thomp.
 91* coronata, Forbes.

Fiona, Ald. & Han.

92 nobilis, Ald. & Han.

Doto, Oken.

93 fragilis, Turt.

94 pinnatifida, Montg.

95 coronata, Gmel.

Scaphander, Montfort.

96 lignarius, Lin.

97 a. curtus, Jeff.

98 b. albus, Jeff.

99 punctostriatus, Migh.

Akera, Müller.

100 bullata, Müll.

101 a. gigantea, Norman.

102 b. nana, Jeff.

Bulla, Linné.

103 hydatis, Lin.

104 cornea, Lamk.

105 a. subquadrata, Monts.

106 Orbigniana, Fér. = dilatata, Leach.

107 folliculus, Menke.

Bulla.

108 Reinhardtii, Holb & Möll.

109 utriculus, Brocc.

111 striata, Brugn.

112 punctata, A. Adams. *M.***Amphisphyra, Lovén.**

113 hyalina, Turt.

114 expansa, Jeff.

115 globosa, Lovén. = vitrea, M. Sars.

116 quadrata, Monts.

Utriculus, Brown.

117 mamillatus, Phil.

118 obtusus, Montg.

119 a. Lajonkaireanus, Basterot.

120 minutissimus, H. Martin.

121 striatulus, Forbes. = Hoernsii, Weink.

122 Gouldii, Couth.

123 pertenuis, Gould.

124 a. turritus, Möll.

125 canaliculatus, Sow.

126 truncatulus, Brugn.

Cylichna, Lovén.

127 cylindracea, Penn.

128 alba, Brown.

129 ovata, Jeff.

130 propinqua, M. Sars.

131 Jeffreysii, Weink.

Cylichna, Lovén.—continued.

132 umbilicata, Montg.

a. strigella, Lovén.

134 nitidula, Lovén.

135 lævinsculpta, Gran.

136 crebrisculpta, Monts.

137 Reinhardtii, Holb.

Cryptaxis, Jeffreys.

138 crebripunctata, Jeff.

Weinkauffia, A. Adams.

139 diaphana, Aradas.

Volvula, H. & A. Adams.

140 acuminata, Brugn.

Actæon, Montfort.

141 tornatilis, Lin.

142 pusillus, Forbes.

Ringicula, Deshayes.

143 auriculata, Ménard.

144 a. conformis, Monts.

145 leptocheila, Brugn.

Philine, Ascanius.

146 aperta, Lin.

147 scabra, Müll.

148 catena, Montg.

149 punctata, Clark.

150 pruinosa, Clark.

151 quadrata, Wood.

152 finmarchica, M. Sars.

153 Loveni, Malm.

154 lima, Brown.

155 striatula, Jeff.

156 intricata, Monts.

157 Monterosatoi, Jeff.

Gastropteron, Meckel.

158 Meckeli, Kosse.

Oxynoe, Rafinesque.

159 olivacea, Rafin.

Lobiger, Krohn.

160 serratilaci, Calc. = Philippii, Krohn.

Doridium, Meckel.

161 coriaceum, Meck.

162 membranaceum, Meck.

Notarchus, Cuvier.

163 neapolitanus, Del. Ch.

Aplysia, Linné.

164 punctata, Cuv.

165 fasciata, Poiret.

166 depilans, Lin.

167 virescens, Risso. = Webbi. Van Ben.

Pleurobranchæa, Meckel.

- 168 Meckeli, Lowe.
Pleurobranchus, Cuvier.
 169 plumula, Montg.
 170 membranaceus, Montg.
 171 testudinarius, Cantr.
 172 aurantiacus, Risso.
 173 stellatus, Risso.
 174 Dehaani, Risso.
 175 brevifrons, Phil.
Umbrella, Lamärck.
 176 mediterranea, Lamk.
Tylodina, Rafinesque.
 177 citrina, Joannis.
 178 Rafinesquei, Phil.

Order III.—Nucleobranchiata.**Atlanta, Lesueur.**

- 179 Peronii, Lesueur.
 180 fusca, Eyd & Soul.
Oxygyrus, Benson.
 181 Keraudreni, Lesueur.
Carinaria, Lamarck.
 182 mediterranea, Per. & Les.
Firoloida, Lesueur.
 183 Desmarestii, Eyd & Soul.
Pterotrachia, Forskål.
 184 coronata, Forskål.
 185 mutica, Lesueur.

Order IV.—Prosobranchiata.*A. Toxoglossa.***Conus, Linné.**

- 186 mediterraneus, Brug.
 187 a. elongatus, B. D. & D.
 188 b. oblongus, B. D. & D.
 189 c. carinatus, B. D. & D.
 190 d. corallinus, Monts.
 191 e. luteus, albinus, &c.

Clathurella, Carpenter.

- 191 linearis, Montg.
 192 a. æqualis, Jeff.
 193 b. pallida, Jeff.
 194 Leufroyi, Mich.
 195 a. Boothii, Brown.
 196 b. concinna, Scacc.
 197 c. carnosula, Jeff.

Clathurella, Carpenter.—continued.

- 197 purpurea, Montg.
 198 a. Philberti, Mich. = bicolor, Risso.
 199 b. La Vieæ, Phil.
 200 c. densa, Monts.
 201 d. conformis, Monts.
 201* e. contigua, Monts.
 202 reticulata, Reni.
 203 a. asperima, F. & H.
 204 b. pupoides, Monts.
 205 c. radula, Monts.
 206 d. horrida, Monts. = pungens, Monts.
 207 a. Cordieri, Payr.
 208 granum, Phil. = clathrata, C. & J.
 209 hystrix, Ch. & Jan.

Mangelia, Risso.

- 210 cærulans, Phil.
 211 a. albida, Desh.
 212 b. unifasciata, Monts.
 213 indistincta, Monts.
 214 sicula, Reeve.
 215 Campanyoï, B. D. & D.
 216 Stossicina, Brus.
 217 scabrida, Monts.
 218 derelicta, Reeve.
 219 Paciniana, Calc.
 220 Vanquelinii, Payr.
 221 tæniata, Desh.
 222 costata, Don.
 223 striolata, Phil.
 224 attenuata, Montg.
 225 turgida, Forbes. = nana, Scacc.
 226 multilineata, Desh.
 227 a. pusilla, Scacc.
 228 nebula, Montg.
 229 lævigata, Phil.
 230 a. Ginnaniana, Risso.
 231 brachystoma, Phil.
 232 nuperrima, Tiberi. = hispidula, Mts.

Teretia, Bucq, Daut, & Doll (emend).

- 233 anceps, Eich.
 234 amœna, G. O. Sars.
Daphnella. Hinds. (?)
 235 emendata, Monts.
 236 Loprestiana, Calc.
Bellardiella, Fischer.
 237 gracilis, Montagu.

	Taranis, Jeffreys.
238	Mörchi, Malm.
	Thesbia, G. O. Sars.
239	nana, Lovén.
	Pleurotoma, Lamarck.
240	undatiruga, Biv.
241	simile, Biv.
	Hædropleura, Monterosato.
242	septangularis, Montg.
243	a. secalina, Phil.
	Drillia, Gray.
244	Maravignæ, Biv.
	Typhlomangelia, M. Sars.
245	nivalis, Lovén.
	Spirotropis, G. O. Sars.
246	carinata, Phil.
	Bela, Leach.
247	rufa, Montg.
248	a. Cranchii, Brown.
249	b. semicostata, Jeff.
250	c. ulidiana, Thomp.
	d. lactea, Jeff.
251	pyramidalis, Ström.
252	a. semiplicata, G. O. Sars.
253	bicarinata, Couth.
254	a. violacea, Migh.
255	b. livida, Möll.
256	c. Beckii, Möll.
257	d. cylindrica, Beck.
258	simplex, Midd.
259	turricola, Montg.
260	Trevelyanæ, Turt.
261	Sarsii, Verrell. = cancellata, G. Sars.
262	cancellata, Migh. = elegans, Möll.
263	a. declivis, Lovén.
264	obliqua, G. O. Sars.
265	angulosa, G. O. Sars.
266	nobilis, Möll.
267	cinerea, Möll.
268	scalaris, Möll.
269	a. abyssicola, Friele.
270	Kobelti, Verkr. = viridula, G. Sars.
271	rugulata, Möll.
272	a. assimilis, G. O. Sars.
273	b. spetzbergensis, Friele.
274	exarata, Möll.
275	harpularia, Couth. = rosea, M. Sars.
276	decussata, Couth. = viridula, Möll.
277	a. finmarchia, Friele.

	Bela, Leach.—continued.
278	tenuicostata, M. Sars.
	a. Willei, Friele.
279	ovalis, Friele. = exigua, Jeff.
	= pygmæa, Verrell.
280	schantarica, Midd. = violacea, var.
	gigantea, Leche.
281	impressa, Beck.
	Halia Risso.
282	priamus Beck.
	Cancellaria, Lamarck.
283	cancellata, Lin.
284	a. similis, Sowerby.
	b. nivea, Norman.
285	minima, Wats. M.
	Admete, Kröyer.
286	viridula, Fabr.
287	a. Couthouyi, Jay.
288	inflata, Friele.
	<i>B. Rhachiglossa.</i>
	Marginella, Lamarck.
289	mitrella, Risso. = secalina, Phil.
290	miliaria, Lin.
291	a. cælata, Monts.
292	Philippii, Monts. = minuta, Phil.
293	epigrus, Reeve.
294	clandestina, Brocc.
295	a. occulta, Monts.
296	guancha, D'Orb. M.
	Cymbium, Montfort.
297	papillatum, Schum.
	Volutomitra, Gray.
298	groenlandica, Lamk.
	Mitra, Lamarck.
299	ebenus, Lamk.
300	a. plumbea, Lamk.
301	b. inflata, Monts.
302	c. coccinea, B. D. & D.
303	d. Defrancii, Payr.
304	cornicula, Lin.
305	lutescens, Lamk.
306	zebrina, D'Orb.
	Mitrolumna, Bucq, Daut, & Doll.
307	olivoidea, Cantr. = Columbella græca,
	Phil.
	Troschelia, Mörch.
308	berniciensis, King.
309	a. solida, Jeff.
310	b. inflata, Jeff.

Fusus, Lamarck.

- 311 pulchellus, Phil.
 312 syracusanus, Lin.
 313 rostratus, Oliv.
 314 *a.* fragosus, Reeve.
 315 elegans, Saff. *M.*
 316 sitchensis, Midd.

Fasciolaria, Lamarck.

- 317 lignaria, Lin.

Fulgur, Montfort.

- 318 carica, Gmel.

Sycotypus, Browne.

- 319 canaliculatus, Lin.

Metzgeria, Norman.

- 320 alba, Jeff. = Tritonium pusillum. M.
 Sars (*M. S.*)

Volutopsis, Mörch.

- 321 norvegica, Chemn.

- 322 castanea, Mörch. *P.*

Jumala, Friele.

- 323 Turtoni, Bean.

Neptunea, Bolten.

- 324 antiqua, Lin.
 325 *a.* carinata, Turt.
 326 *b.* ventricosa, Jeff.
 327 *c.* gracilis, Jeff.
 monst. sinistrorsa.
 monst. cincta, Jeff.
 monst. sulcata, Jeff.
 monst. scalariformis, Jeff.
 monst. bioperculata, Jeff.
 328 decemcostata, Say.
 329 despcta, Lin.
 a. fornicata, Fabr.
 b. fasciata, Friele.
 c. borealis, Phil.
 d. tornata, Fabr.
 334 Behringii, Midd. *P.*

Heliotropis, Dall.

- 335 harpa, Mörch. *P.*

Mohnia, Friele.

- 336 Mohni, Friele.

Sipho, Klein.

- 337 propinquus, Alder.
 338 Jeffreysonianus, Fisch. = buccinatus, Jeff.
 339 ebur, Mörch. = Sarsii, Jeff.
 340 fusiformis, Broderip.
 341 turritus, M. Sars. = tortuosus, G. O. Sars.
 342 lachesis, Mörch.

Sipho, Klein.—continued.

- 343 Danielsseni, Friele.
 344 gracilis, Da Cos.
 345 *a.* glaber, Verkr.
 346 islandicus, Chemn.
 347 Stimpsoni, Mörch. = curtus, Jeff.
 348 *a.* brevis, Verrill.
 349 Sabini, Gray.
 350 ventricosus, Gray
 351 striatus, Reeve.
 352 pygmæus, Stimp.
 353 latericeus, Möll.
 354 cretaceus, Reeve.
 354* plicatus Ad. *P.*
 355 schantaricus, Midd. = spetsbergensis,
 Reeve. *P.*
 356 Kröyeri, Möll.
Buccinopsis, Jeffreys.
 357 Dalei, J. Sow.
Buccinum Linné.
 358 undatum, Lin.
 359 *a.* littorale, King.
 360 *b.* incrassatum, King.
 361 *c.* magnum, King.
 362 *d.* striatum, Penn.
 363 *e.* undulatum, Möll.
 364 *f.* pelagicum, King.
 365 *g.* fragile, Verkr.
 366 *h.* parvulum, Verkr.
 367 *i.* flexuosum, Jeff.
 368 *j.* zetlandicum, Forbes.
 369 *k.* Schneideri, Verkr.
 369* *l.* glabrum, Jeff.
 monst. sinistrorum, Jeff.
 monst. carinatum, Turt.
 monst. imperiale, Reeve.
 monst. acuminatum, Broderip.
 monst. bioperculatum, Jeff.
 &c., &c.
 370 Donovanii, Gray.
 371 ciliatum, Fabr.
 372 tenue, Gray.
 373 grœnlandicum, Chemn.
 374 *a.* sericatum, Hancock.
 375 glaciale, Lin.
 a. Hancockii, Mörch.
 376 *b.* unicarinatum, Friele.
 377 *c.* bicarinatum, Friele.
 378 *d.* tricarinatum, Friele.
 379 *e.* Rombergi, Dunk. *P.*
 379* *e.* Rombergi, Dunk. *P.*

Buccinum Linné.—continued.

- 380 terræ-novæ, Beck
 381 inexhaustum, Verkr., and all his varieties.
 382 perdix, Mörch. = Finmarchicum, Verkr.
 a. pulchellum, G. O. Sars.
 384 hydrophanum, Hancock.
 385 a. tumidulum, G. O. Sars.
 386 Humphreysianum, Bennett.
 387 a. lacteum, Jeff.
 388 fusiforme, Kiener. = ventricosum, Jeff.
- Volutularia, Fischer.**
- 389 ampullacea, Midd. *P.*
- Euthria, Gray.**
- 390 cornea, Lin.
- Pollia, Weinkauff.**
- 391 D'Orbignii, Payr.
 392 fusulus, Brocc. = Spadæ, Libassi.
 393 bicolor, Cantr.
 394 picta, Scacchi.
 395 scabra, Monts.
- Pisania, Bivona.**
- 396 maculosa, Lamk.
- Bullia, Gray.**
- 397 vitrea, Roe. *M.*
- Nassa, Lamarck.**
- 398 gibbosula, Lin.
 a. circumcincta, A. Adams.
 399 b. Pfeifferi, Phil.
 400 limata, Chemn.
 402 reticulata, Lin.
 403 a. nitida, Jeff.
 404 pygmæa, Lamk.
 405 incrassata, Ström.
 a. major, Jeff.
 b. minor, Jeff.
 c. simulans, Jeff.
 d. rufa, nigra, rosea, lilacina, alba.
 406 semistriata, Brocc.
 407 Tinei, Maravigna.
 408 corniculata, Olivii.
 409 a. semiplicata, Monts.
 409* b. elongata, Monts.
 410 costulata, Reni.
 a. madeirensis, Reeve.
 412 b. tenuicosta, B. D. & D.
 c. Ferrussacei, Payr.

Nassa, Lamarck.—continued.

- 413* d. encaustica, Brus.
 e. minor, atra,
 &c., &c.
 414 mutabilis, Lin.
 415 a. inflata, Lamk.
 416 granum, Lamk.
 417 obsoleta, Say.
 418 trivittata, Say.
 419 vibex, Say.
- Cyclope, Risso.**
- 420 neritea, Lin.
 421 a. pellucida, Risso.
 422 b. kamieschi, Chemn.
- Columbella, Lamarck.**
- 423 rustica, Lin.
 424 a. elongata, Phil.
 425 b. cuneata, Monts.
 i. lactea, Monts
- Mitrella, Risso.**
- 426 pediculus.
 427 Crosseana, Recluz.
 428 cribraria, J. & G. *M.*
 429 scripta, Lin.
 430 a. Gervillei, Payr.
 431 b. lanceolata, Monts.
 432 c. Brisei, Chier.
 433 minor, Scacc.
 434 lunata, Say.
 435 avara, Say.
 435* Gouldii, Carp. *P.*
- Astyris, H. & A. Adams.**
- 436 rosacea, Gould.
 437 haliaeeti, Jeff.
- Murex, Lamarck.**
- 438 brandaris, Lin.
 439 a. coronatus, Risso.
 440 trunculus, Lin.
 441 a. falcatus, D. & S.
 442 erinaceus, Lin.
 443 a. tarantinus, Lamk.
 444 b. torosus, Lamk.
 445 Edwardsii, Payr.
 445* Hellerianus, Brus.
 446 distinctus, Ch. & Jan. = scalaroides,
 Blain.
 447 aciculatus, Lamk. = corallinus, Scac.
 448 a. minutus, Desh.
 labiosus, Chier.
- 449

Murex, Lamarck.—continued.

- 450 cristatus, Brocc.
 451 *a.* hybridus, Aradas.
 452 *b.* erroneus, Monts. = acantho-
 phorus, Monts.
 453 *c.* Blainvillei, Payr.
 454 *d.* spinulosus, O. G. Cos. =
 diadema, Benoit.
 455 *e.* inermis, Phil. = subspinosis,
 A. Adams.

Eupleura, H. & A. Adams.

- 456 caudata, Say.

Urosalpinx, Stimpson.

- 457 cinerea, Say.

Typhis, Montfort.

- 458 tetrapterus, Brown.

Hadriania, Bucq, Daut, & Doll.

- 459 craticulata, Brocc.

Trophon, Montfort.

- 460 craticulatus, Fabr.
 461 clathratus, Lin.
 462 *a.* Gunneri, Lovén.
 463 truncatus, Ström.
 464 *a.* scalaris, Jeff.
 465 barvicensis, Johnston.
 466 muricatus, Montg.
 467 *a.* lacteus, Jeff.
 468 vaginatus, Ch. & Jan.
 469 breviatus, Jeff.

Pseudomurex, Monterosato.

- 470 Mayendorffii, Calc.
 471 lamellosus, Jan.
 472 brevis, Blain.
 473 babelis, Requ.

Lachesis, Risso.

- 474 minima, Montg.
 475 *a.* attenuata, Monts.
 476 *b.* lineata, Monts.
 477 *c.* mamillata, Risso.
 478 vulpecula, Monts.
 478* retifera, Brugn.
 479 candidissima, Phil.
 480 Folineæ, Del. Ch.
 481 granulata, Risso.
 482 recondita, Brugn.

Purpura, Lamarck.

- 483 lapillus, Lin.
 484 *a.* imbricata, Lamk.
 485 *b.* major, Jeff.
 486 *c.* minor, Jeff.
 487 lima, Martyn. = Freycineti, Desh. P.
 488 hæmostoma, Lin.

C. Tænioglossa.**Tritonium, Link.**

- 489 nodiferum, Lamk.
 490 parthenopeum, Von. Salis.
 491 corrugatum, Lamk.
 492 cutaceum, Lin.
 493 oregonense, Say, = cancellatum,
 Aurivil. P.

Bufonaria, Schumacher.

- 494 scrobiculator, Lin.
Ranella, Lamarck.
 495 gigantea, Lamk.
Epidromus, Klein.

- 496 reticulatus, Lamk.
 497 *a.* aciculatus, Monts.

Dolium, Lamarck.

- 498 galea, Lamk.
Morio, Montfort.
 499 tyrrhena, Kien.
 500 echinophora, Lin.

Cassis, Lamarck.

- 501 suburon, Brug.
 502 undulata, Lin. = sulcosa, Brug.

Erato, Risso.

- 503 lævis, Don.

Cypræa, Linné.

- 504 lurida, Lin.
 505 pyrum, Gmel.
 506 physis, Brocc.
 507 spurca, Lin.

Trivia, Gray.

- 508 europaea, Montg.
 509 pulex, Sol.
 510 candidula, Gaskoin.

Ovula, Lamarck.

- 511 carnea, Poiret.
 512 *a.* purpurea, Risso.
 513 spelta, Lin.
 514 *a.* nicæensis, Weink.
 515 adriatica, Sow.
 516 patula, Penn.

	Pedicularia, Swainson.		Cerithiopsis, Forbes & Han.—continued.
517	sicula, Swain.	555	scalaris, Monts.
		556	bilineata, Höynes.
	Aporrhais, Da Costa.	557	rugulosa Sow. = metaxæ, Del. Ch.
518	pes-pelecani, Lin.	558	diadema, Wats.
	<i>a.</i> longispinosus, Norman.	559	acuminata, Monts.
519	serresianus, Mich.	560	horrida, Jeff.
520	<i>a.</i> Macandreae, Jeff.	561	Jeffreysii, Wats. = pulchella, Jeff.
521	occidentalis, Beck.	562	fayalensis, Wats. = corona, Wats.
		563	atalaya, Wats. <i>M.</i>
522	Triforis, Linné.	564	tiara, Wats.
523	perversa, Lin.	564*	Clarkii, F. & H.
	<i>a.</i> adversa, Montg.	564**	exarata, Monts.
	Cerithium, Adanson.	565	costulata, Möll.
524	vulgatum, Brug.		Trichotropis, Brod. & Sow.
525	<i>a.</i> alucastrum, Brocc.	566	borealis, Brod & Sow.
526	<i>b.</i> gracile, Phil.	567	<i>a.</i> conica, Möll.
527	<i>c.</i> seminudum, B. D. & D.	568	<i>b.</i> acuminata, Jeff.
528	<i>d.</i> repandum, Monts.	569	Kröyeri, Phil.
529	<i>e.</i> longissimum, B. D. & D.	570	insignis, Midd. <i>P.</i>
530	<i>f.</i> citrinum, Monts.	571	cancellata, Hinds. <i>P.</i>
531	<i>g.</i> inscriptum, Monts.	572	bicarinata, Brod & Sow. <i>P.</i>
532	<i>h.</i> pulchellum, Phil.		Torellia, Jeffreys.
533	<i>i.</i> melanium, B. D. & D.	573	vestita, Jeff.
533*	<i>j.</i> hirtum, B. D. & D.		Siliquaria, Lamarck.
534	rupestre, Risso.	574	anguina, Lin.
535	<i>a.</i> lividulum, Risso.		Vermetus, Adanson.
536	<i>b.</i> plicatum, B. D. & D.	575	gigas, Biv.
537	conicum, Blainv.	576	triqueter, Biv.
538	<i>a.</i> minor, Monts.	577	lumbricalis, Gmel.
538*	<i>b.</i> fusca, Monts.	578	cristatus, Biondi.
539	Cumingii, Sow. <i>P.</i>		<i>a.</i> albina.
	Bittium, Leach.	579	glomeratus, Lin. = subcancellatus, Brus.
540	reticulatum, Da Costa.	580	selectus, Monts.
541	<i>a.</i> scabrum, Oliv.	581	semisorrectus, Biv.
542	<i>b.</i> Latreillei, Payr.		Mesalia, Gray.
543	<i>c.</i> paludosum, B. D. & D.	582	brevialis, Lamk.
544	<i>d.</i> jadartinum, Brus.	583	reticulata, Migh. & Ad. = Turr. lactea, Möll.
545	<i>e.</i> exiguum, Monts.		Turritella, Lamarck.
	<i>f.</i> album, Norman.	584	terebra, Lin. = communis, Risso.
546	submammillatum, Rayn. = pusillum, Jeff.	585	<i>a.</i> gracilis, Jeff.
547	lacteum, Phil.		<i>b.</i> nivea, Jeff.
548	<i>a.</i> tessellatum, B. D. & D.	586	incrassata, J. Sow. = triplicata, Brocc.
549	Greenii, Adams.	587	decipiens, Monts.
550	nigrum, Totten.	588	tricarinata, Brocc.
	Lovenella, G. O. Sars.	589	erosa, Couth. = polaris, Beck.
551	metula, Lovén.		Turritellopsis, G. O. Sars.
	Læocochlis, Dunk & Metz.	590	acicula, Stimp.
552	Macandreae, H. Ad. vix = granosa, Wood.		
	Cerithiopsis, Forbes & Han.		
553	tubercularis, Montg.		
554	<i>a.</i> minima, Brus.		

Mathilda, Semper.

- 591 elegantissima, O. G. Cos.
 592 quadricarinata, Broc. *M.*
Parastrophia, De Folin.
 593 Folini, B. D. & D.
Cæcum, Fleming.
 594 glabrum, Montg.
 595 vitreum, Carpenter. *M.*
 596 trachea, Montg.
 597 lævissimum, Cantr. = auriculatum, De Folin.
 598 subannulatum, De Folin.
 599 rugulosum, Phil. = obsoletum, Monts.

Littorina, Féruccac.

- 600 littorea, Lin.
 601 *a.* turrita, Jeff.
 monst. carinata, scalariformis, &c.
 602 grandis, Midd.
 603 ruditis, Maton.
 604 *a.* sulcata, Leach.
 605 *b.* jugosa, Montg.
 606 *c.* globosa, Jeff.
 607 *d.* patula, Thorpe.
 608 *e.* tenebrosa, Montg.
 609 *f.* similis, Jeff.
 610 *g.* laevis, Jeff.
 611 *h.* saxatilis, Johnston.
 612 *i.* greenlandica, Möll.
 613 curila, Midd. *P.*
 614 striata, King. *M.*
 615 *a.* affinis, D'Orb. *M.*
 616 punctata, Gmel.
 617 neritoides, Lin.
 618 obtusata, Lin.
 619 *a.* neritiformis, Brown.
 620 *b.* orana, Jeff. = palliata, F. & H.
 621 *c.* fabalis, Turt.
 622 *d.* æstuarii, Jeff.
 623 palliata, Say.
 624 *a.* forma-elatior, G. O. Sars.
 monst. coarctata, G. O. Sars.
 625 irrorata, Say.
 626 sitkana, Phil. *P.*
 627 arctica, Möll.
Lacuna, Turton.
 628 pallidula, Da Cos.
 629 *a.* neritoidea, Gould.
 630 *b.* patula, Thorpe.
 631 puteolus, Turt.

Lacuna, Turton.—continued.

- 632 divaricata, Fabr.
 633 *a.* canalis, Montg.
 634 *b.* quadrifasciata, Montg.
 635 *c.* gracilior, Metcalfe.
 636 *d.* solidula, Lovén.
 637 *e.* albella, Lovén.
 638 *f.* frigida, Lovén.
 639 crassior, Montg.
Cithna, C. Adams.
 640 tenella, Jeff.
Hersilia, Monterosato.
 641 mediterranea, Monts.
Fossarus, Philippi.
 642 costatus, Brocc.
 643 ambiguus, Lin.
 644 granulum, Brugu.
 645 azonus, Brus.
Solarium, Lamarck.
 646 architæ, O. G. Cos.
 647 fallaciosum, Tiberi.
 648 conulus, Weink.
Bifrontia, Deshayes.
 649 zanclea, Phil.
Skenea, Fleming.
 650 planorbis, Fabr.
 651 *a.* pellucida, Monts.
Homologyra, Jeffreys.
 652 atomus, Phil.
 653 rota, F. & H.
 654 tricarinata, Webster.
Jeffreysia, Alder.
 655 diaphana, Alder.
 656 opalina, Jeff.
 657 globularis, Jeff.
Litiopa, Rang.
 658 bombyx, Rang.
Rissoina, D'Orbigny.
 659 Bruguerei, Payr.
Zippora, Leach.
 660 auriscalpium, Lin.
 661 *a.* acicula, Desm.
 662 membranacea, Adams.
 663 *a.* fragilis, Mich.
 664 *b.* labiosa, Monts.
 665 *c.* discrepans, Brown.
 666 *d.* octona, Nilsson.
 667 ventricosa, Desm.

Zippora, Leach.—continued.

- 668 *grossa*, Mich. = *venusta*, Phil.
 669 *oblonga*, Desm.
 670 *elata*, Phil.

Schwartzia, Bucq, Daut, & Dol.

- 671 *monodonta*, Biv.

Rissoa, Freminville.

- 672 *parva*, Da Cos.
 673 *a. interrupta*, Adams.
 b. nigra, Norman.
 674 *cornea*, Lovén.
 675 *marginata*, Mich.
 676 *a. radiata*, Phil.
 677 *b. plicatula*, Risso.
 678 *c. pulchella*, Phil.
 679 *d. munda*, Monts.
 680 *e. simplex*, Phil.
 681 *Targioni*, Appelius.
 682 *inconspicua*, Alder.
 683 *a. variegata*, Mohrn.
 684 *b. albella*, Lovén.
 685 *c. Sarsii*, Lovén.
 686 *dolium*, Nyst. = *nana* and *pusilla*, Phil.
 687 *similis*, Scacc.
 688 *a. striata*, Monts.
 689 *b. apiculata*, Dan & Sand.
 690 *c. lævis*, Wats.
 691 *Guerini*, Récluz.
 692 *a. costulata*, Alder.
 693 *b. decorata*, Phil.
 694 *c. subcostulata*, Monts.
 695 *d. lia*, Monts.
 696 *nitens*, Monts.
 697 *splendida*, Eichw.
 698 *a. taurica*, Verkr.
 699 *variabilis*, Mülhf.
 700 *a. elongata*, Monts.
 701 *b. brevis*, Monts.
 702 *c. spongicola*, Monts.
 703 *violacea*, Desm.
 704 *a. rufilabrum*, Desm.
 705 *b. lilacina*, Recluz.
 706 *c. porifera*, Lovén.
 707 *Verrilli*, Friele.

Alvania, Risso.

- 708 *Montagui*, Payr.
 709 *a. lineata*, Risso.
 (I) *corrugata*, Brus.
 710 *b. consociella*, Monts.

Alvania, Risso.—continued.

- 712 *algeriana*, Monts.
 713 *a. rufula*, Monts.
 714 *aspera*, Phil.
 715 *peloritana*, Aradas & Ren.
 716 *lanciæ*, Calc. = *scabra*, Auct., non Phil.
 717 *scabra*, Phil. = *mutabilis*, Schw.
 718 *Philippiana*, Jeffr. = *pagodula*, B. D. & D.
 719 *Weinkauffi*, Schw.
 720 *subareolata*, Monts.
 721 *Jeffreysii*, Waller. = *sororcula*, Gran.
 722 *abyssicola*, Forbes.
 723 *Testæ*, Aradas.
 724 *subsoluta*, Aradas.
 725 *jan-mayenii*, Friele.
 726 *scrobiculata*, Müller.
 727 *canariensis*, D'Orb. *M.*
 728 *aurantiaca*, Wats. *M.*
 729 *Macandrewii*, Manz. *M.*
 730 *a. spreta*, Wats. *M.*
 731 *euchila*, Wats. *M.*
 732 *crispa*, Wats. *M.*
 733 *calathus*, Forbes.
 734 *exasperata*, Monts.
 735 *hispidula*, Monts.
 736 *cimicoides*, Forbes. = *sculpta*, Phil.
 737 *cimex*, Lin.
 738 *cancellata*, Da Cos. = *crenulata*, Mich.
 739 *a. hirta*, Monts.
 740 *Leacocki*, Wats. *M.*
 741 *cingulata*, Phil.
 742 *subcrenulata*, Schw.
 743 *reticulata*, Montg.
 744 *a. Geryonius*, Brus. = *Mariæ*, auct.
 745 *tarsodes*, Wats. (non D'Orb.)
 746 *rudis*, Phil.
 747 *punctura*, Montg.
 748 *lactea*, Mich.
 749 *Wyville-Thomsoni*, Jeff.
 750 *carinata*, Da Cos. = *striatula*, Montg.
 751 *a. ecarinata*, Monts.
Flemingia, Jeffreys.
 752 *zetlandica*, Montg.
 753 *costata*, Adams.
 754 *crispa*, Wats.
 755 *gibbera*, Wats.
Cingula, Fleming.
 756 *semistriata*, Montg.
 757 *Beanimina*, Monts. = *concinna*, Monts.

Cingula, Fleming.—continued.

- 758 *simulans*, Monts. = *Watsoni*, Monts.,
 non. Schw.
759 *tenera*, Phil.
760 *obtusa*, Cantr. = *Alderi*, Jeff.
761 *Watsoni*, Schw. *M.*
762 *monizoniana*, Wats. *M.*
763 *callosa*, Manz. *M.*
764 *picta*, Wats. *M.*
765 *depicta*, Manz. *M.*
766 *albugo*, Wats. *M.*
767 *spadix*, Wats. *M.*
768 *castanea*, Möll.
769 *trifasciata*, Adams. = *cingillus*, Montg.
770 *a. rupestris*, Forbes.
771 *b. graphica*, Turt.

Onoba, H. & A. Adams.

- 772 *striata*, Adams.
773 *a. saxatilis*, Möll. = *aculeus*,
 Gould : = *arctica*, Lovén.
774 *arenaria*, Migh. & Adams.
775 *vitrea*, Montg.
776 *proxima*, Alder.
777 *coriacea*, Manz. *M.*
778 *tenuisculpta*, Wats.

Nodulus, Monterosato.

- 779 *contortus*, Jeff.
780 *a. intortus*, Monts.

Peringiella, Monterosato.

- 781 *nitida*, Brus.
782 *a. elongata*, Monts.
783 *epidaurica*, Brus.
784 *seminulum*, Monts.
785 *glabrata*, Mühlf. = *punctulum*, Phil.
786 *a. balteana*, Manz.
787 *b. turrita*, B. D. & D.
788 *c. albina*, Monts.
789 *lincta*, Wats. *M.*
790 *lævis*, Monts.

Setia, H. & A. Adams.

- 791 *pulcherima*, Jeff.
792 *fusca*, Phil.
793 *turriculata*, Monts.
794 *soluta*, Phil. (nec. Forbes & Hanley)
 amabilis, Monts.
795 *Alleryana*, Arad. & Ber.
797 *cossuræ*, Calc.
798 *fulgida*, Adams.
799 *turgida*, Jeff.

Setia, H. & A. Adams.—continued.

- 800 *tumidula*, G. O. Sars.
801 *macilenta*, Monts.
802 *globulus*, Möll.
Barleeia, Clark.
803 *rubra*, Montg.
804 *a. unifasciata*, Montg.
805 *b. pallida*, Jeff.
Hydrobia, Hartmann.
806 *stagnalis*, Bast. = *ulvæ*, Penn.
807 *a. Barlei*, Jeff.
808 *b. subumbilicata*, Montg.
809 *c. truncata*, Norman.
810 *d. balthica*, Nilsson.
811 *e. minuta*, Totten.
812 *f. Girardoti*, Palad.
813 *g. obeliscus*, Palad.
813* *pictorum*, Palad.
814 *acuta*, Drap.
815 *a. Brondelii*, Bourg.
816 *viridescens*, Risso. = *salinesii*, Aradas.
817 *cornea*, Risso.
818 *pusilla*, Eichw.
819 *caspia*, Eichw.
820 *gracilis*, Morel. *M.*
821 *ventrosa*, Montg.
822 *a. elongata*, Jeff.
823 *b. pellucida*, Jeff.
824 *c. decollata*, Jeff.
Assiminia, Leach.
825 *Grayana*, Gray.
826 *littorina*, Del. Ch.
827 *sicana*, Brugn.
Truncatella, Risso.
828 *truncatula*, Drap.
829 *a. lœvigata*, Risso.
830 *b. microstoma*, Monts.
Capulus, Montfort.
831 *hungaricus*, Lin.
Calyptreæ, Lamarck.
832 *chinensis*, Lin.
Crepidula, Lamarck.
833 *unguiformis*, Lin.
834 *Moulini*, Mich.
835 *plana*, Say.
836 *convexa*, Say.
837 *fornicata*, Lin.
Xenophora, Fischer.
838 *mediterranea*, Tiberi.

Velutina, Fleming.

- 839 *lævigata*, Penn.
 840 *lanigera*, Möll.
 841 Schneideri, Friele.
 842 *derugata*, Becher.

Morvillia, Gray.

- 843 *undata*, Brown.

Velutella, Gray.

- 844 *flexilis*, Montg.

Lamellaria, Montagu.

- 845 *perspicua*, Lin.
 846 *tentaculata*, Montg.

Onchidiopsis, Bergh.

- 847 *grønlandica*, Bergh.

Marsenia, Gray.

- 848 *prodita*, Lovén.
 849 *micromphala*, Bergh.

Natica, Adanson.

- 850 *clausa*, Brod. & Sow.
 851 *a. elatior*, Midd.
 852 *affinis*, Gmel.
 a. vittata, Jeff.
 853 *flammulata*, Requ. = *Sagraria*, Weink.
 854 *Dillwynii*, Payr.
 a. fasciata, Monts.
 855 *hebræa*, Martyn.
 856 *millepunctata*, Lamk.
 857 Adansoni, Phil. *M.*

Lunatia, Gray.

- 858 *grønlandica*, Beck. = *pusilla*, F. & H.
 859 *sordida*, Phil.
 860 *catena*, Da Cos.
 861 *pulchella*, Riss. = Alderi, Forbes.
 862 *a. subovalis*, Jeff.
 863 *b. conica*, Jeff.
 c. lactea, Jeff.
 864 Montagui, Forbes.
 865 *a. conica*, Jeff.
 b. albula, Jeff.
 866 *nana*, Möll.
 867 *porcelana*, D'Orb.
 868 *Guillemini*, Payr. = *marmorata*, Riss.
 869 *trifasciata*, Say.
 870 *immaculata*, Totten.
 871 *intricata*, Don. = *Valenciensis*, Riss.
 872 *a. similis*, Monts.
 b. lactea & fusca, Monts.
 872* *intricatoides*, Hidalgo.
 873 *variabilis*, Recluz.

Lunatia, Gray.—continued.

- 874 *macilenta*, Phil.
 875 *Rizzei*, Phil.
 876 *marochiensis*, Gmel.
 877 *heros*, Say.

Amauropsis, Mörch.

- 878 *islandica*, Bean.

Neverita, Risso.

- 879 *Josephinæ*, Risso.
 880 *duplicata*, Say.

Ampullina, Lamarck.

- 881 *Smithii*, Brown.

Sequenzia, Jeffreys.

- 882 *eritima*, Verrill.

Adeorbis, S. Wood.

- 883 *subcarinata*, Montg.

*D. Ptenoglossa.***Janthina, Bolten.**

- 884 *rotundata*, Leach.
 885 *bicolor*, Menke.
 886 *nitens*, Menke.
 887 *a. splendens*, Monts.
 888 *pallida*, Phil.
 889 *exigua*, Lamk.

Acirsa, Mörch.

- 890 *subdecussata*, Cantr.
 891 *borealis*, Beck. = *Turr. Eschrichtii*, Hölb
 & Möll.

Scalaria, Lamarck.

- 892 *communis*, Lamk.
 893 *clathrus*, Lin. *M.*
 894 *Turtonæ*, Turt.
 895 *a. planicosta*, Biv.
 896 *commutata*, Lamk. = *pseudoscalaris*,
 Brocc.
 897 *Cantrainei*, Weink.
 898 *Trevelyanæ*, Leach.
 899 *frondosa*, S. Wood.
 900 *a. soluta*, Tiberi.
 901 *b. algeriana*, Weink.
 902 *crenata*, Lin.
 903 *cochlea*, Sow. *M.*
 904 *hellenica*, Forbes.
 905 *pulchella*, Phil.
 906 *clathratula*, Montg.
 907 *candidissima*, Monts.
 908 *coronata*, Phil. *M.*

Scalaria, Lamarck.—continued.

- 909 *Schultzii*, Weink. *M.*
 910 *greenlandica*, Chemn.
 911 *a. crebricostata*, G. O. Sars.
 912 *b. Loveni*, G. O. Sars.

Hemiaclis, G. O. Sars.

- 913 *ventrosa*, Jeff.
 914 *glabra*, G. O. Sars.

Aclis, Lovén.

- 915 *supranitida*, Wood.
 916 *Walleri*, Jeff.
 917 *a. carinata*, Norman.
 918 *ascaris*, Montg.
 919 *exigua*, G. O. Sars.

Cioniscus, Jeff.

- 920 *gracilis*, Jeff.
 921 *unicus*, Montg.

Pherusina, Norman. = *Pherusa*, Jeff.

- 922 *Gulsonæ*, Clark.

*E. Gymnoglossa.***Stylier, Broderip.**

- 923 *Turtoni*, Broderip.

Eulima, Risso.

- 924 *polita*, Lin.
 925 *a. brevis*, Requ.
 926 *intermedia*, Cantr.
 927 *incurva*, Ren. = *distorta*, Desh.
 928 *a. gracilis*, Jeff.
 929 *Stalioi*, Brus.
 930 *Jeffreysiana*, Brus.
 931 *curva*, Jeff.
 932 *microstoma*, Brus.
 933 *piriformis*, Brugn.
 934 *subulata*, Don.
 935 *bilineata*, Ald.
 936 *stenostoma*, Jeff.

Turbanilla, Risso.

- 937 *rufa*, Phil.
 938 *a. fulvocincta*, Thomp.
 939 *exigua*, Monts.
 940 *lactea*, Lin.
 941 *gradata*, Monts.
 942 *innovata*, Monts. = *pusilla*, Jeff.
 943 *pusilla*, Phil.
 944 *acutissima*, Monts.
 945 *delicata*, Monts.
 946 *striatula*, Lin.
 947 *rosea*, Monts.

Turbanilla, Risso.—continued.

- 948 *indistincta*, Montg.
 949 *clathrata*, Jeff. *M.*
 950 *micans*, Monts.
 951 *costulata*, Verrill.
 952 *compressa*, Jeff.
Parthenia, Lowe.
 953 *interstincta*, Montg.
 954 *a. gracilis*, Phil. = *emaciata*, Monts.
 955 *b. præcisa*, Monts.
 956 *c. gracilenta*, Monts.
 957 *d. Moulinsiana*, Fischer.
 958 *e. intermixta*, Monts. = *Jeffreysii*, B. D. & D.
 959 *brevicula*, Jeff.
 960 *monozena*, Brus.
 961 *flexuosa*, Jeff.
 962 *Penchynati*, B. D. & D.
 963 *dissimilis*, Tib. *M.*
 964 *rufescens*, Forbes.
 965 *scalaris*, Forbes.
 966 *canaliculata*, Phil.
 967 *excavata*, Phil.
 968 *decussata*, Montg.
 969 *tricincta*, Jeff.
 970 *spiralis*, Montg.
 971 *turbanilloides*, Brus.
 972 *eximia*, Jeff.
 973 *sublustris*, Friele.
 974 *fenestrata*, Forbes.
Noëmia, De Folin.
 975 *dolioliformis*, Jeff.
Odostomia, Fleming.
 976 *conspicua*, Alder.
 977 *conoidea*, Brocc. = *polita*, Biv.
 978 *unidentata*, Montg.
 979 *acuta*, Jeff.
 980 *a. umbilicata*, Ald.
 981 *turrita*, Hanley.
 982 *a. striolata*, Ald.
 983 *plicata*, Montg.
 984 *rissooides*, Hanley.
 985 *a. alba*, Jeff.
 986 *b. nitida*, Ald.
 987 *c. dubia*, Jeff.
 988 *pallida*, Montg.
 989 *umbilicaris*, Malm.
 990 *Lukisi*, Jeff.
 991 *albella*, Lovén.

Odostomia, Fleming.—continued.

- 992 truncatula, Jeff.
 993 nivosa, Montg. = cylindrica, F. & H.
 994 minima, Jeff.
 995 minuscula, Monts.
 996 Normani, Friele.
 997 fallax, Monts.
- Auriculina, Gray.**
- 998 obliqua, Ald.
 999 Warrenii, Thomp.
 1000 diaphana, Jeff.
 1001 insculpta, Montg.
 1002 scandens, Brugn.
 1003 Monterosatoi, Kobelt.
 1004 elegans, Monts. = vitrea, Brus.
 1005 fusulus, Monts.
 1006 Erjaveciana, Brus.

Liostomia, G. O. Sars.

- 1007 clavula, Lovén.
 1008 eburnea, Stimp.
 1009 pistillus, Brugn.

Eulimella, Forbes.

- 1010 Scillæ, Scacc.
 1011 compactilis, Jeff.
 1012 obeliscus, Jeff.
 1013 acicula, Phil. = commutata, Monts.
 1014 a. subcylindrica, Dunk.
 1015 ventricosa, Forbes.
 1016 nitidissima, Montg.
 1017 Pointeli, De Folin.
 1018 minuta, H. Adams.
 1019 macilenta, Monts.

Menestho, Möller.

- 1020 Humboldti, Risso.
 1021 a. sulcata, B. D. & D.
 1022 b. tuberculata, B. D. & D.

F. Bhipidoglossa.**Hydrocena, Parreyss.**

- 1023 cattaroensis, Pfeiffer.

Smaragdia, Issel.

- 1024 viridis, Lin.

Phasianella, Lamarck.

- 1025 pullus, Lin.
 1026 a. picta, Da Cos.
 1027 tenuis, Mich. = intermedia, Scacc.
 1028 a. punctata, Risso.
 1029 b. Hoberti, Brus.

Phasianella, Lamarck.—continued.

- 1030 speciosa, Mühlf.
 a. lactea, virens, rubra, &c.
- Turbo, Linné.**
- 1031 rugosus, Lin.
 1032 sanguineus, Lin.
- Mölleria, Jeffreys.**
- 1033 costulata, Möll.
 1034 lœvigata, Jeff.
- Cyclostrema, Marryat.**
- 1035 Cutlerianum, Clark.
 1036 nitens, Phil. = Trochus pusillus, F. & H.
 1037 serpuloides, Montg. = divisa, Flem.
 1038 basistriatum, Jeff.
 1039 rugulosum, Jeff.
 1040 exilissimum, Phil.
 1041 Petterseni, Friele. = trochoides, Jeff.
 1042 laminarum, Jeff.
 1043 areolatum, G. O. Sars.
 1044 profundum, Friele.
 1045 millepunctatum, Friele.
 1046 tenerum, Jeff.
 1047 conspicuum, Monts.
- Clanculus, Mühlfeldt.**
- 1048 corallinus, Gmel.
 1049 cruciatus, Lin. = Vieilloti, Payr.
 1050 a. candidus.
 1051 Jussieui, Payr.
 1052 a. glomus, Phil.
 1053 Bertheloti, D'Orb. M.
- Olivia, Cantraine.**
- 1054 Tinei Calc. = Craspedotus limbatus, Weink.
- Zizyphinus, Leach.**
- 1055 zizyphinus, Lin.
 1056 a. Lyonsii, Fleming.
 1057 b. elatus, Jeff.
 1058 c. conuloides, Lamk.
 1059 d. cingulatus, Weink.
 1060 e. lœvigatus, J. Sow.
 (1) albidus, Norman.
 (2) violaceus, Norman.
- 1061 conulus, Lin.
 1062 a. dubius, Phil.
 1063 b. Languieri, Payr.
 1064 c. violaceus, Risso.
 d. niveus, Norman.
- 1065 Gualterianus, Phil.
 a. candidus, Monts.

Zizyphinus, Leach.—continued.

- 1066 granulatus, Born.
 a. lacteus, Jeff.
 1067 Montagui, Wood.
 1068 tumidulus, Aradas.
 1069 pupilla, Gould. *P.*
 1070 iridescent, Midd. *P.*
 1071 millegranus, Phil.
 a. pyramidatus, Jeff.
 1072 occidentalis, Migh.
 a. purus, Jeff.
 1073 exasperatus, Penn.
 1074 *a.* igneus, Monts.
 1075 *b.* Matoni, Payr.
 1076 *c.* excavatus, Monts.
 1077 unidentatus, Phil.
 1078 fraterculus, Monts.
 1079 striatus, Lin.
 1080 *a.* depictus, Desh. = Gravesi,
 Forbes.
 1081 *b.* æquistriatus, Monts.
 1082 *c.* elenchoides, Monts.
 1083 *d.* smaragdinus, Monts.
 1084 *e.* Gravinæ, Monts.
 1085 *f.* ruscurianus, Monts.

Forskalia, H. & A. Adams.

- 1087 fanulum, Gmel.
 1088 Guttadauri, Phil.

Gibbula, Risso.

- 1089 magus, Lin.
 a. alba, Jeff.
 b. straminea, Phil.
 1090 umbilicata, Montg.
 1091 *a.* sarniensis, Norman. = agathensis, Jeff.
 1092 agathensis, Recluz.
 1093 cineraria, Lin.
 1094 *a.* electissima, Jeff.
 1095 leucophæa, Phil.
 1096 albida, Gmel.
 1096* schantarica, Midd. *P.*
 1097 umbilicaris, Lin.
 1098 *a.* latior, Monts.
 1099 ardens, Von Salis. = Fermoni, Payr.
 1100 *a.* succincta, Monts.
 1101 *b.* barbara, Monts.
 1102 Philberti, Recluz. = villica, Phil.
 1103 varia, Lin.
 1104 *a.* marmorata, Requ.

Gibbula, Risso.—continued.

- 1205 tumida, Montg.
 1206 pygmæa, Risso. = Racketti, Payr.
 1207 Candei, D'Orb. *M.*
 1208 divaricata, Lin. = Lessonii, Payr.
 1209 *a.* rarilineata, Mich.
 1210 Spratti, Forbes.
 1211 Adansonii, Payr.
 1212 *a.* adriatica, Phil.
 1213 drepanensis, Brugn.
 1214 *a.* Vimontiæ, Monts.
 1215 turbinoides, Desh.
- Phorcus, Risso.**
 1216 Richardi, Payr.
- Trochocochlea, Klein.**
 1217 crassa, Pult.
 1218 *a.* denudata, Monts.
 1219 turbinata, Born. = fragaroides, Lamk.
 1220 articulata, Lamk.
 1221 *a.* trivialis, Monts.
 1222 *b.* retuga, Monts.
 1223 colubrina, Gould. = sagittifera, Hidalgo.
- Solariella, S. Wood.**
 1224 obscura, Couth.
 1225 *a.* bella, Verkr.
 1226 *b.* albula, Gould.
 1227 varicosa, Migh.
 1228 cincta, Phil. = amabilis, Jeff.
- Circulus, Jeffreys.**
 1229 striatus, Phil. = Duminyi, Requ.
 1230 formosissimus, Brugn. = Cyclos. Jefreyssii, Monts. (M.S.)
- Margarita, Leach.**
 1231 helicina, Fabr.
 1232 grøenlandica, Chemn.
 1233 *a.* lævior, Jeff.
 b. albida, Jeff.
 1234 umbilicalis, Brod. & Sow.
 1235 cinerea, Couth.
 1236 striata, Brod. & Sow.
 1237 olivacea, Brown. = argentata, Gould.
 1238 *a.* Harrisoni, Hancock.
 1239 Vahlii, Möll. = pusilla, Jeff.
 1240 *a.* marmorata, Requ.
- Cocculina, Dall.**
 1241 spinigera, Jeff.

Haliotis, Linné.

- 1242 tuberculata, Lin.
 1243 lamellosa, Lamk.
 1244 a. striata, Monts.
 1245 b. reticulata, Reeve.

Scissurella, D'Orbigny.

- 1246 crispata, Flem.
 1247 a. angulata, Lovén.
 1248 costata, D'Orb. = plicata, Phil.
 = cancellata, Jeff.
 1249 a. laevigata, D'Orb.
 1250 aspera, Phil.

Scismope, Jeffreys.

- 1251 cingulata, O. G. Cos.

Fissurella, Bruguière.

- 1252 græca, Lin. = reticulata, Da Cos.
 1253 gibberula, Lamk. = gibba, Phil.
 1254 nubecula, Lin.
 1255 neglecta, Desh. = costaria, Defr.
 1256 producta, Monts.
 1257 dorsata, Monts.

Emarginula, Lamarck.

- 1258 crassa, Sow.
 1259 a. depressa, G. O. Sars.
 1260 fissura, Lin. = reticulata, J. Sow.
 1261 solidula, O. G. Cos.
 1262 cancellata, Phil.
 1263 papillosa, Risso. = adriatica, O. G. Cos.
 1264 elongata, O. G. Cos.
 1265 conica, Schum. = rosea, Bell.
 1266 a. capuliformis, Phil. = pileolus,
 Phil.

- 1267 multistriata, Jeff.

- 1268 Huzardi, Payr.

- 1269 a. depressa, Phil.

- 1270 tenera, Monts.

Fissurisepta, Sequenza.

- 1271 rostrata, Seq.

Puncturella, Lowe.

- 1272 noachina, Lin.

Propilidium, Forbes & Hanley.

- 1273 aencyloides, Forbes.

G. Dacoglossa.**Acmaea, Eschscholtz.**

- 1274 testudinalis, Müll.
 a. alba.
 1275 b. patina, Esch. P.
 1276 alveus, Conrad.

Acmaea, Eschscholtz.—continued.

- 1277 persona, Esch. P.
 1278 a. digitalis, Esch. P.
 1279 cassis, Esch. P.
 1280 virginea, Müll.
 a. lactea, Jeff.

- 1281 rubella, Fabr.

Pilidium, Forbes & Hanley.

- 1282 fulvum, Müll.

Lepeta, Gray.

- 1283 cæca, Müll.

Helcion, Montfort.

- 1284 pellucidum, Lin.
 1285 a. læve, Penn.

Patella, Linné.

- 1286 vulgata, Lin.
 1287 a. aspera, Phil.
 1288 b. scutellaris, Lamk.
 1289 c. tarentina, Von Salis.
 1290 d. cærulea, Lin.
 1291 a. fragilis, Phil.
 1292 e. picta, Jeff.
 1293 f. elevata, Jeff.
 1294 g. lusitanica, Gmel. = punctata,
 Lamk.
 1295 athletica, Bean.
 1296 ferruginea, Gmel.
 1297 a. Safiana, Lamk.
 1298 Candei, D'Orb. M.
 1299 rusticæ, Lin. M.

Order V.—Polyplacophora.**Chiton, Linné.**

- 1300 fascicularis, Lin.
 1301 a. gracilis, Jeff.
 1302 discrepans, Brown.
 1303 abyssorum, M. Sars.
 1304 mendicarius, Migh. = Hanleyi, Bean.
 1305 æneus, Risso.
 1306 albus, Lin.
 a. infuscatus.
 1308 exaratus, G. O. Sars.
 1309 marginatus, Penn.
 1310 variegatus, Phil.
 1311 cinereus, Lin. = algericensis, Capello.
 1312 arcticus, G. O. Sars.
 1313 cancellatus, Sow.
 1314 alveolus, M. Sars.
 scabridus, Jeff.

Chiton, Linné.—continued.

- 1316 Rissoi, Payr.
 1317 furtivus, Monts.
 1318 caprearum, Scacc. = Polii, Phil.
 1319 cajetanus, Poli.
 1320 olivaceus, Speng. = siculus, Gray.
 1321 corallinus, Risso.
 1322 phaseolinus, Monts.
 1323 ruber, Lin.
 1324 fulvus, Wood.
 1325 submarmoreus, Midd. *P.*
 1326 marmoreus, Fabr.
 1327 lævis, Penn.

Katharina, Gray.

- 1328 tunicata, Wood.
Cryptochiton, Gray.
 1329 Stelleri, Midd. *P.*

Order VI.—Aplacophora.**Neomenia, Tullberg.**

- 1330 carinata, Tullberg. = Solenopus nitidulus, M. Sars. (M.S.)

Chætodermia, Lovén.

- 1331 nitidulum, Lovén.

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**Class IV.—SCAPHOPODA.
= SOLENOCONCHIA.****Dentalium, Linné.**

- 1332 entalis, Lin.
 1333 striolatum, Stimp. = abyssorum, M. Sars.
 1334 agile, M. Sars.
 1335 vulgare, Da Cos. = tarentinum, Lamk.
 1336 capillosum, Jeff.
 1337 ensiculus, Jeff.
 1338 dentalis, Lin.
 1339 *a.* novemcostatum, Lamk.
 1340 *b.* tenue, Monts.
 1341 panormitanum, Chenu.
 1342 rubescens, Desh.
 1343 filum, J. B. Sow. = gracile, Jeff.
Dischides, Jeffreys.
 1344 bifissus, S. Wood.
Siphonodentalium, M. Sars.
 1345 vitreum, M. Sars.

Pulsellum, Stoliczka.

- 1346 lofotense, M. Sars.
 1347 affine, M. Sars.
 1348 quinquangulare, Forbes.
Cadulus, Phillipi.
 1349 subfusiformis, M. Sars.
 1350 propinquus, G. O. Sars.
 1351 Jeffreysii, Monts.
 1352 Olivi, Scacc.

**Class V.—PELECYPODA.
= BIVALVIA.****Order I.—Tetrabranchia.****Anomia, Linné.**

- 1353 ephippium, Lin.
 1354 *a.* squamula, Lin.
 1355 *b.* aculeata, Gmel.
 1356 *c.* electrica, Lin.
 1357 patelliformis, Lin.
 1358 striata, Lovén.

Ostrea, Linné.

- 1359 edulis, Lin.
 1360 *a.* rutupina, Jeff.
 1361 *b.* cristata, Born.
 1362 *c.* parasitica, Turt.
 1363 *d.* adriatica, Lamk.
 1364 *e.* hippopus, Lamk.
 1365 *f.* cyrnusii, Payr.
 1366 *g.* mimetica, Gregorio.
 1367 angulata, Lamk.
 1368 cochlear, Phil.
 1369 *a.* suborbicularis, Monts.
 1370 stentina, Payr. = plicata, Chemn.
 1371 borealis, Lamk.

Spondylus, Linné.

- 1372 gæderopus, Lin.
 1373 Gussonæ, O. G. Cos.

Lima, Bruguière.

- 1374 hians, Gmel.
 1375 *a.* tenera, Turt.
 1376 inflata, Chemn.
 1377 ventricosa, Sow.
 1378 squamosa, Lamk.
 1379 excavata, Chemn.
 1380 Loscombiæ, Sow.
 1381 subovata, Jeff.
 1382 elliptica, Jeff.
 1383 subauriculata, Montg.

Limea, Bronn.	Pecten, Lamarck.—continued.
1384 crassa, Forbes. = <i>Sarsii</i> , Lovén.	1427 similis, Laskey.
Amussium, Klein.	1428 vitreus, Chemn.
1385 fenestratum, Forbes. = <i>inæquisculptum</i> , Tiberi.	1429 <i>a.</i> abyssorum, M. Sars.
1386 Hoskynsi, Forbes.	1430 <i>groenlandicus</i> , Sow.
Pecten, Lamarck.	1431 <i>fragilis</i> , Jeff.
1387 maximus, Lin. <i>a.</i> pictus, Norman. <i>b.</i> albus, Norman.	Avicula, Lamarck. 1432 <i>tarentina</i> , Lamk.
1388 Jacobæus, Lin.	1433 <i>rudis</i> , Lin.
1389 Clintonius, Say.	1434 <i>pernula</i> , Chemn.
1390 <i>a.</i> <i>tenuicostatus</i> , Migh. & Adams.	1435 <i>nobilis</i> , Lin.
1391 <i>islandicus</i> , Müll.	Mytilus, Linné.
1392 <i>niveus</i> , Macgil.	1436 <i>edulis</i> , Lin. <i>a.</i> <i>ungulatus</i> , Lin.
1393 <i>varius</i> , Lin.	1437 <i>b.</i> <i>galloprovincialis</i> , Lamk.
1394 <i>a.</i> <i>purpureus</i> , Jeff.	1438 <i>c.</i> <i>incurvatus</i> , Penn.
1395 <i>sulcatus</i> , Müll. = <i>aratus</i> , Gmel.	1439 <i>d.</i> <i>pellucidus</i> , Penn.
1396 <i>tigrinus</i> , Müll.	1440 <i>e.</i> <i>albus</i> , Norman.
1397 <i>a.</i> <i>obsoletus</i> , Penn.	1442 <i>pictus</i> , Born. = <i>africanus</i> , Chemn.
1398 <i>b.</i> <i>costatus</i> , Jeff.	1443 <i>lineatus</i> , Gmel. = <i>crispus</i> , Cantr.
1399 <i>incomparabilis</i> , Risso. = <i>Testæ</i> , Biv.	1444 <i>minimus</i> , Poli.
1400 <i>striatus</i> , Müll.	1445 <i>Monterosatoi</i> , Daut. = <i>cylindricus</i> , Req.
1401 <i>pes-felis</i> , Lin.	1446 <i>solidus</i> , H. Martin.
1402 Swifti, Gerst. <i>P.</i>	Modiola, Lamarck.
1403 <i>pusio</i> , Lin.	1447 <i>modiolus</i> , Lin.
1404 <i>a.</i> <i>multistriatus</i> , Born (junior).	1448 <i>a.</i> <i>ovata</i> , Jeff.
1405 <i>glaber</i> , Lin.	1449 <i>b.</i> <i>umbilicata</i> , Jeff.
1406 <i>a.</i> <i> sulcatus</i> , Born.	1450 <i>c.</i> <i>gigas</i> , Norman.
1407 <i>b.</i> <i>dalmaticus</i> , Brus.	1451 <i>barbata</i> , Lin.
1408 <i>flexuosus</i> , Poli. = <i>polymorphus</i> , Brown.	1452 <i>plicatula</i> , Lamk.
1409 <i>a.</i> <i>flagellatus</i> , Lamk.	1453 <i>adriatica</i> , Lamk.
1410 <i>corallinooides</i> , D'Orb. <i>M.</i>	1454 <i>a.</i> <i>ovalis</i> , Sow.
1411 <i>pes-lutrae</i> , Lin.	1455 <i>Martorelli</i> , Hidalgo.
1412 <i>a.</i> <i>Dumasi</i> , Payr.	1456 <i>agglutinans</i> , Cantr.
1413 <i>b.</i> <i>septemradiatus</i> , Müll.	1457 <i>phaseolina</i> , Phil.
1414 <i>c.</i> <i>inflexus</i> , Pöli.	Modiolaria, Beck.
1415 <i>d.</i> <i>albus</i> , Jeff.	1458 <i>marmorata</i> , Forbes.
1416 Bruei, Payr.	1459 <i>discors</i> , Lin.
1417 <i>opercularis</i> , Lin.	1460 <i>a.</i> <i>angustior</i> , Jeff. <i>b.</i> <i>semilævis</i> , Jeff.
1418 <i>a.</i> <i>Audouinii</i> , Payr.	1461 <i>lævigata</i> , Gray.
1419 <i>b.</i> <i>sanguineus</i> , Poli.	1462 <i>lævis</i> , Beck.
1420 <i>c.</i> <i>lineatus</i> , Da Cos.	1463 <i>nigra</i> , Gray.
1421 <i>Philippii</i> , Recluz. = <i>commutatus</i> , Monts.	1464 <i>costulata</i> , Risso.
1422 <i>irradians</i> , Lamk.	1465 <i>corrugata</i> , Steenst.
1423 <i>hyalinus</i> , Poli.	1466 <i>sulcata</i> , Risso. = <i>Petagnæ</i> , Scacc.
1424 <i>a.</i> <i>solidulus</i> , Monts.	1467 <i>gibberula</i> , Caillard. = <i>subclavata</i> ,
1425 <i>b.</i> <i>costatus</i> , Monts.	1468 Libassi.
1426 <i>c.</i> <i>succineus</i> , Monts.	

Dacrydium, Möller.	
1469	vitreum, Möll.
1470	<i>a.</i> hyalinum, Monts.
Crenella, Brown.	
1471	rhombea, Berkeley.
1472	decussata, Montg.
1473	glandula, Totten.
1474	faba, Fabr.
1475	arenaria, H. Martin.
1476	pellucida, Jeff. = Limopsis pellucida, Jeff.
Idas, Jeffreys.	
1477	argenteus, Jeff.
Lithodomus, Cuvier.	
1478	lithophagus, Lin.
1479	caudiger, Lamk.
Limopsis, Sassy.	
1480	aurita, Brocc. = obliqua, Adams.
1481	minuta, Phil. = borealis, Woodw.
1482	tenella, Jeff.
Pectunculus, Lamarck.	
1483	glycimeris, Lin.
1484	<i>a.</i> bimaculatus, Poli.
1485	pilosus, Lin.
1486	violacezens, Lamk.
Arca, Linné.	
1487	pectunculoides, Scacc.
1488	glacialis, Gray.
1489	obliqua, Phil. = Koreni, Daniels.
1490	Frielei, Jeff.
1491	lactea, Lin.
1492	<i>a.</i> Gaimardi, Payr.
1493	nodulosa, Müll. = scabra, Poli.
1494	pulchella, Reeve. = imbricata, Poli.
1495	tetragona, Poli.
1496	noæ, Lin.
1497	Polii, Mayer. = antiquata, Poli.
1498	barbata, Lin.
1499	pexata, Say.
1500	transversa, Say.
Nucula, Lamarck.	
1501	nucleus, Lin.
1502	radiata, Hanley.
1503	sulcata, Brown.
1504	tumidula, Malm.
1505	ægeensis, Forbes.
1506	nitida, Sow.
1507	proxima, Say.
Nucula, Lamarck.—continued.	
1508	tenuis, Montg.
1509	<i>a.</i> expansa, Torell.
1510	delphinodata, Migh.
Leda, Schumacher.	
1511	minuta, Müll.
1512	<i>a.</i> brevirostris, Jeff.
1513	<i>b.</i> inflata.
1514	pernula, Müll.
1515	<i>a.</i> buccata, Möll.
1516	pella, Lin.
1517	fragilis, Chemn. = commutata, Phil.
Malletia, Desmoulin.	
1518	obtusa, M. Sars.
Yoldia, Mörch.	
1519	thraciæformis, Storer.
1520	limatula, Say.
1521	myalis, Couth.
1522	sapotilla, Gould. = hyperborea, Lovén.
Portlandia, Mörch.	
1523	arctica, Gray.
1524	lenticula, Fabr. = abyssicola, Torell.
1525	lucida, Lovén.
1526	intermedia, M. Sars.
1527	tenuis, Phil. = pygmæa, F. & H.
1528	frigida, Torell.
1529	messanensis, Sequ. = acuminata, Jeff.
Cardita, Bruguière.	
1530	antiquata, Lin.
1531	aculeata, Poli.
1532	calyculata, Lin.
1533	trapezia, Lin.
1534	corbis, Phil.
1535	borealis, Conrad.
Astarte, J. Sowerby.	
1536	sulcata, Da Cos.
1537	<i>a.</i> scotica, Mat. & Rac.
1538	<i>b.</i> fusca, Poli.
1539	<i>c.</i> paucistriata, Jeff.
1540	<i>d.</i> multicostata, Jeff.
1541	<i>e.</i> minor, Jeff.
1542	elliptica, Brown.
1543	undata, Gould.
1544	crebricostata, Forbes.
1545	castanea, Say.
1546	Warhami, Hancock.
1547	fabula, Reeve.
1548	acute-costata, Friele.

	Astarte, J. Sowerby.—continued.
1549	borealis, Chemn.
1550	<i>a.</i> semisulcata, Leach.
1551	compressa, Montg.
1552	<i>a.</i> globosa, Möll.
1553	<i>b.</i> striata, Leach.
1554	<i>c.</i> Banksii, Gould.
1555	<i>d.</i> nana, Jeff.
1556	triangularis, Montg.
	<i>a.</i> alba, Norman.
1557	nana, Jeff.
	Gonilia, Stoliczka.
1558	bipartita, Phil.
	Woodia, Deshayes.
1559	digitaria, Lin.
	Kelliella, M. Sars.
1560	miliaris, Phil.
	Turtonia, Forbes & Hanley.
1561	minuta, Fabr.
	Kellia, Turton.
1562	orbicularis, Montg.
1563	<i>a.</i> lactea, Brown.
	Bornia, Philippi.
1564	corbuloides, Phil.
	Lasæa, Leach.
1565	rubra, Montg.
	<i>a.</i> pallida, Jeff.
1566	pumila, S. Wood. = Zoe pumila, Monts.
	Montacuta, Turton.
1567	substriata, Montg.
1568	<i>a.</i> laevis, Jeff.
1569	bidentata, Montg.
1570	tumidula, Jeff.
1571	Dawsoni, Jeff.
1572	Maltzani, Verkr.
1573	elevata, Stimp.
	Decipula, Jeff.
1574	ovata, Jeff.
1575	ferruginosa, Montg.
	Lepton, Turton.
1576	squamosum, Montg.
1577	nitidum, Clark.
1578	<i>a.</i> convexum, Ald.
1579	Clarkiae, Clark.
1580	sulcatulum, Jeff.
1581	prismaticum, Monts.
	Scacchia, Philippi.
1582	elliptica, Scacc.

	Galeomma, Turton.
1583	Turtoni, Sow.
	Cardium, Linné.
1584	echinatum, Lin.
1585	<i>a.</i> mucronatum, Poli.
1586	tuberculatum, Lin.
1587	aculeatum, Lin.
1588	Deshayesii, Payr.
1589	erinaceum, Lin.
1590	paucicostatum, Sow.
1591	hians, Brocc.
1592	papillosum, Poli.
1593	edule, Lin.
1594	<i>a.</i> rusticum, Chemn.
1595	<i>b.</i> Lamarckii, Reeve.
1596	<i>c.</i> (Caspian Sea.)
1597	<i>d.</i> crenulatum, Lamk.
1598	exiguum, Gmel.
1599	<i>a.</i> siculum, Sow.
1600	minimum, Phil.
1601	fasciatum, Montg.
1602	transversale, Desh. <i>M.</i>
1603	nodosum, Turt.
1604	pinnulatum, Conrad.
1605	elegantulum, Beck.
1606	ciliatum, Fabr. = islandicum, Chemn.
	Adacna, Eichwald.
1607	colorata, Eichw.
1608	edentula, Pallas.
1609	læviuscula, Eichw.
1610	vitrea, Eichw.
	Monodacna, Eichwald.
1611	caspia, Eichw.
	Didacna, Eichwald.
1612	crassa, Eichw.
1613	trigonoides, Pallas.
	Serripes, Beck.
1614	groenlandicus, Chemn.
	Lævicardium, Sowerby.
1615	norvegicum, Speng.
1616	<i>a.</i> gibbum, Jeff.
1617	<i>b.</i> pallidum, Jeff.
1618	oblongum, Chemn.
1619	Mortoni, Conrad.
	Chama, Linné.
1620	gryphoides, Lin.
1621	<i>a.</i> gryphina, Lamk.
	Cyprina, Lamarck.
1622	islandica, Lin.

	Isocardia, Lamarck.		Venus, Linné.—continued.
1623	cor. Lin.	1662	mercinaria, Lin.
	Coralliophaga, De Blainville.	1663	a. notata, Say.
1624	lithophagella, Lamk.	1664	fasciata, Da Cos.
1625	a. Guerini, Payr.	1665	a. radiata, Jeff.
	Tapes, Mühlfeldt.	1666	b. raricosta, Jeff.
1626	decussatus, Lin.	1667	Lucinopsis, Forbes & Hanley.
1627	pullastra, Montg.	undata, Penn.	
1627*	a. perforans, Montg.		Gemma, Deshayes.
1628	Petetii, Desh. P.	1668	gemma, Totten.
1629	virgineus, Lin.	1669	Venerupis, Lamarck.
1630	a. sarniensis, Turt.	irus, Lin.	
1631	b. elongatus, Jeff.	1670	Lajonkairei, Payr.
1632	geographicus, Gmelin.	1671	Petricola, Lamarck.
1633	aureus, Gmel.	lithophaga, Retz.	
1634	a. quadratus, Jeff.	1672	pholadiformis, Lamk.
1635	b. ovatus, Jeff.	1673	Ungulina, Daudin.
1636	c. lætus, Poli.	oblonga, Lamk.	
1637	d. floridus, Lamk.	1674	Axinus, J. Sowerby.
1638	e. bicolor, Lamk.	flexuosus, Montg.	
	Lyocyma, Dall.	1675	a. polygonius, Jeff.
1639	fluctuosa, Gould.	1676	b. Sarsii, Phil.
	Cytherea, Bolten.	1677	obesus, Verrill.
1640	chione, Lin.	1678	Gouldii, Phil.
	Callista, Poli.	1679	granulosus, Jeff.
1641	convexa, Say.	1680	croulinensis, Jeff.
	Circe, Schumacher.	1681	incrassatus, Jeff.
1642	minima, Montg.	1682	eumyarius, M. Sars.
	Dosinia, Scopoli.	1683	ferruginosus, Forbes.
1643	exoleta, Lin.	1684	intermedius, Monts.
1644	a. plicato-striata, Norman.	1685	cycladius, S. Wood.
1645	lincta, Pult.	1686	Axinopsis, G. O. Sars.
1646	a. compta, Lovén.	orbiculata, G. O. Sars.	
1647	b. lupinus, Poli.	1687	Diplodonta, Brown.
	Venus, Linné.	rotundata, Montg.	
1648	verrucosa, Lin.	1688	apicalis, Phil.
1649	casina, Lin.	1689	Donax, Linné.
1650	a. cygnus, Lamk.	politus, Poli.	
1651	b. Rusterucci, Payr.	1690	vittatus, Da Cos.
1652	c. multilamella, Lamk.	1691	a. turgidus, Jeff.
1653	effossa, Biv.	1692	trunculus, Lin.
1654	gallina, Lin.	1693	a. adriaticus, Monts.
1655	a. striatula, F. & H.	1694	semistriatus, Poli.
1656	b. laminosa, Montg.	1695	venustus, Poli.
1657	c. gibba, Jeff.	1696	a. clodiensis, Monts.
1658	ovata, Pennant.	1697	b. Cattanianus, Brus.
1659	a. trigona, Jeff.		
1660	rudis, Poli.		
1661	a. mediterranea, Tiberi.		

Psammobia, Lamarck.	Lutraria, Lamarck.
1698 <i>vespertina</i> , Chemn.	1735 <i>elliptica</i> , Lamk.
1699 <i>a. florida</i> , Lin.	1736 <i>a. alterutra</i> , Jeff.
1700 <i>b. lactea</i> , Jeff.	1737 <i>oblonga</i> , Chemn.
1701 <i>ferrœnsis</i> , Chemn.	Eastonia, Gray.
1702 <i>costulata</i> , Turt.	1738 <i>rugosa</i> , Chemn.
1703 <i>tellinella</i> , Lamk.	Mya, Linné.
1704 <i>a. lactea</i> , Norman.	1739 <i>arenaria</i> , Lin.
Solecurtus, Blainville.	1740 <i>a. lata</i> , J. Sow.
1705 <i>antiquatus</i> , Pult.	1741 <i>truncata</i> , Lin.
1706 <i>scapula</i> , Turton. = <i>candidus</i> (Ren?)	1742 <i>a. uddevalensis</i> , Forbes.
Jeff.	
1707 <i>multistriatus</i> , Scacc.	Sphenia, Turton.
1708 <i>strigilatus</i> , Lin.	1743 <i>Binghami</i> , Turt.
Tagelus, Gray.	Corbula, Bruguière.
1709 <i>gibbus</i> , Speng. = <i>caribæus</i> , Lamk.	1744 <i>gibba</i> , Oliv.
Siliqua, Muhlfeldt.	1745 <i>a. rosea</i> , Brown.
1710 <i>costata</i> , Say.	Corbulomya, Nyst.
Ceratisolen, Forbes.	1746 <i>mediterranea</i> , O. G. Cos.
1711 <i>legumen</i> , Lin.	1747 <i>ovata</i> , Forbes.
Solen, Linné.	Panopea, Ménard de la Groye.
1712 <i>vagina</i> , Lin.	1748 <i>norvegica</i> , Speng.
1713 <i>siliqua</i> , Lin.	1749 <i>glycimeris</i> , Born.
1714 <i>a. arcuata</i> , Jeff.	Cyrtodaria, Daudin.
1715 <i>ensis</i> , Lin.	1750 <i>siliqua</i> , Chemn.
1716 <i>pellucidus</i> , Penn.	Saxicavella, P. Fischer.
Donacilla, Lamarck.	1751 <i>plicata</i> , Montg.
1717 <i>cornea</i> , Poli.	1752 <i>carinata</i> , Brocc. <i>M.</i>
Ceronia, Gray.	Saxicava, Fleurian de Bellevue.
1718 <i>arctata</i> , Conrad.	1753 <i>rugosa</i> , Lin.
1719 <i>deaurata</i> , Turt.	1754 <i>a. pholadis</i> , Lin.
Ervilia, Turton.	1755 <i>b. arctica</i> , Lin.
1720 <i>castanea</i> , Montg.	1756 <i>c. minuta</i> , Lin.
Mactra, Linné.	Gastrochæna, Spengler.
1721 <i>glaуca</i> , Born.	1757 <i>dubia</i> , Penn.
1722 <i>stultorum</i> , Lin.	Pholas, Lister.
1723 <i>a. cinerea</i> , Montg.	1758 <i>dactylus</i> , Lin.
1724 <i>b. corallina</i> , Lin.	Barnea, Leach.
1725 <i>c. lactea</i> , Gmel.	1759 <i>candida</i> , Lin.
1726 <i>solidissima</i> , Chemn.	1760 <i>costata</i> , Lin.
1727 <i>ovalis</i> , Gould.	1761 <i>parva</i> , Penn.
1728 <i>subtruncata</i> , Da Cos.	1762 <i>truncata</i> , Say.
1729 <i>a. striata</i> , Brown.	Zirphaea, Leach.
1730 <i>lateralis</i> , Say.	1763 <i>crispata</i> , Lin.
1731 <i>solida</i> , Lin.	Martesia, Leach.
1732 <i>a. truncata</i> , Montg.	1764 <i>striata</i> , Lin.
1733 <i>b. conjunctiva</i> , Jeff.	Pholadidea, Goodall.
1734 <i>elliptica</i> , Brown.	1765 <i>papyracea</i> , Turt.
	1766 <i>a. aborta</i> , Jeff.

Xylophaga, Turton.

- 1767 *dorsalis*, Turt.
Teredo, Sellius.
 1768 *navalis*, Lin.
 1769 *a. occlusa*, Jeff.
 1770 *norvegica*, Speng.
 1771 *a. divaricata*, Desh.
 1772 *megotara*, Hanley.
 1773 *a. excisa*, Jeff.
 1774 *b. subericola*, Jeff.
 1775 *c. mionota*, Jeff.
 1776 *nana*, Turt.
 1777 *pedicillata*, Quatr.
 1778 *malleolus*, Turt.
 1779 *fusticulus*, Jeff.
 1780 *excavata*, Lukis.
 1781 *cucullata*, Norman.
 1782 *bipinnata*, Turt.
 1783 *fimbriata*, Jeff. = *palmulata*, F. & H.
 1784 *pennatifera*, Blain.

Order II.—Dibranchia.**Lucina, Bruguière.**

- 1785 *borealis*, Lin.
 1786 *a. depressa*, Jeff.
 1787 *b. gibba*, Jeff.
 1788 *spinifera*, Montg.
 1789 *a. minor*, Jeff.
 1790 *reticulata*, Poli. = *pecten*, Phil.

Loripes, Poli.

- 1791 *lacteus*, Lin.
 1792 *a. lactoides*, Desm.
 1793 *b. Desmarestii*, Payr.
 1794 *fragilis*, Phil.
 1795 *divaricatus*, Lin. = *commutata*, Phil.

Tellina, Linné.

- 1796 *crassa*, Penn.
 1797 *balaustina*, Lin.
 1798 *serrata*, Reni.
 1799 *planata*, Lin.
 1800 *cumana*, G. O. Cos.
 1801 *a. melo* (Sow) Monts.
 1802 *nitida*, Poli.
 1803 *similis*, Lin. M.
 1804 *tenuis*, Da Cos.
 1805 *a. commutata*, Monts. = *hyalina*,
 Desh.
 1806 *b. exigua*, Poli.

Tellina, Linné.—continued.

- 1807 *fabula*, Gmel.
 1808 *a. ovata*, Jeff.
 1809 *squalida*, Pult.
 1810 *distorta*, Poli.
 1811 *pusilla*, Phil.
 1812 *donacina*, Lin.
 1813 *pulchella*, Lamk.
 1814 *balthica*, Lin.
 1815 *a. minor*, Jeff.
 1816 *b. nivea*, Jeff.
 1817 *calcaria*, Chemn.
 1818 *a. lata*, Gmel. = *proxima*, Say.
 1819 *b. fusca*, Say.
 1820 *tenera*, Say.
Gastrana, Schumacher.
 1821 *fragilis*, Lin.
Scrobicularia, Schumacher.
 1822 *piperata*, Gmel.
 1823 *Cottardi*, Payr.
Abra, Risso.
 1824 *alba*, S. Wood.
 1825 *a. Renieri*, Brown.
 1826 *b. longicallus*, Scacc.
 1827 *ovata*, Phil.
 1828 *prismatica*, Montg.
 1829 *nitida*, Müll.
 1830 *tenuis*, Montg.
Cumingia, Sowerby.
 1831 *tellinoides*, Conrad.
Caspidaria, Nardo.
 1832 *rostrata*, Speng.
 1833 *cuspidata*, Oliv.
 1834 *arctica*, M. Sars.
 1835 *subtorta*, G. O. Sars.
 1836 *lamellosa*, M. Sars.
 1837 *a. Koreni*, Jeff.
 1838 *obesa*, Lovén.
 1839 *costellata*, Desh.
 1840 *a. curta*, Jeff.
 1841 *striata*, Jeff. = *multicostata*, V. & S.
 1842 *abbreviata*, Forbes.
 1843 *limatula*, Dall. = *contracta*, Jeff.
Solemya, Lamarck.
 1844 *togata*, Poli. = *mediterranea*, Lamk.
 1845 *velum*, Conrad.
Pandora, Solander.
 1846 *inæquivalvis*, Lin.
 1847 *obtusa*, Leach.
 1848 *trilineata*, Say.

	Verticordia, Wood.
1849	<i>tornata</i> , Jeff.
	Haliris, Dall.
1850	<i>Fischeriana</i> , Dall.
	Trigonulina, D'Orbigny.
1851	<i>ornata</i> , D'Orb. = <i>caelata</i> , Verrill.
	Lyonsiella, M. Sars.
1852	<i>abyssicola</i> , M. Sars.
	Lyonsia, Turton.
1853	<i>norvegica</i> , Chemn.
1854	<i>a. coruscans</i> , Scacc.
1855	<i>hyalina</i> , Conrad.
1856	<i>arenosa</i> , Möll.
	Cochlodesma, Couthony.
1857	<i>prætenue</i> , Pult.
1858	<i>parlatoris</i> , Calc.
1859	<i>leana</i> , Conrad.

Thracia, Leach.

1860	<i>convexa</i> , W. Wood.
1861	<i>corbuloidea</i> , Desh.
1862	<i>Conradi</i> , Couth.
1863	<i>pubescens</i> , Pult.
1864	<i>papyracea</i> , Poli. = <i>phaseolina</i> , Lamk.
1865	<i>a. gracilis</i> , Jeff.
1866	<i>villosiuscula</i> , Macg.
1867	<i>a. distorta</i> , Montg.
1868	<i>truncata</i> , Brown.
1869	<i>myopsis</i> , Möll.
	Poromya, Forbes.
1870	<i>granulata</i> , Nyst.
	Clavagella, Lamarck.
1871	<i>melitensis</i> , Broderip.

ADDENDA.

	Alexia, Leach.
1872	<i>vulcani</i> , Morel. <i>M.</i>
	Utriculus, Brown.
1873	<i>tornatus</i> , Watson. <i>M.</i>
	Pleurobranchea, Meckel.
1874	<i>tarda</i> , Verrill.
	Bela, Leach.
1875	<i>Pingelii</i> , Beck.
	Mitra, Lamarck.
1876	<i>tricolor</i> , Gmelin.
1877	<i>a. Savignii</i> , Payr.
1878	<i>littoralis</i> , Forbes.
	Fusus, Lamarck.
1879	<i>rusticulus</i> , Monts.
	Buccinum, Linné.
1880	<i>grœnladicum</i> , Chemn. <i>b. tenebrosum</i> , Hancock.

Cerethiopsis, Forbes & Han.

1881	<i>Metaxæ</i> , Del Chi. <i>a. angustissima</i> , Forbes.
	Lacuna, Turton.
1882	<i>divaricata</i> , Fabr. <i>g. arctica</i> , Phil.
	Cithna, C. Adams.
1883	<i>inflata</i> , Monts.
	Solarium, Lamarck.
1884	<i>pseudoperspectivum</i> Brocchi. = <i>discus</i> Phil.
	Rissoa, Freminville.
1885	<i>lineolata</i> , Michaud.
	Hydrobia, Hartmann.
1886	<i>elata</i> , Monts.
	Zizyphinus, Leach.
1887	<i>strigatus</i> , Phil.
	Kellia, Turton.
1888	<i>complanata</i> , Phil.

V. BRACHIOPODA.

Eudesia, King.		Argiope, E. Deslongchamps.
1889	cranium, Müller.	1902 decollata, Chemn.
1890	septigera, Lovén.	
Liothyris, Douvillé.		Cistella, Gray.
1891	vitrea, Born.	1903 cistellula, S. Wood.
1892	<i>a.</i> minor, Phil. = affinis, Calcaria.	1904 neapolitana, Scacchi.
Terebratulina, D'Orbigny.		1905 cuneata, Risso.
1893	caput-serpentis, Lin.	
1894	<i>a.</i> septentrionalis, Couth.	Thecideum, Defrance.
1895	<i>b.</i> mediterranea, Jeffreys.	1906 mediterraneum, Risso.
Gwynnia, King.		Atretia, Jeffreys.
1896	capsula, Jeffreys.	1907 gnomon, Jeffreys.
Terebratella, D'Orbigny.		Rhynconella, Fischer.
1897	spitsbergensis, Davidson.	1908 psittacea, Gmelin.
1898	frontalis, Midd. <i>P.</i>	
Megerlia, King.		Crania, Retzius.
1899	truncata, Lin.	1909 anomala, Müller. = turbinata, P. = rostrata, Hoernes.
Platydia, Costa.		<i>a.</i> alba, Jeffreys.
1900	anomoides, Scacchi.	
1901	Davidsoni, Deslong.	Discinisca, Dall.
		1910 atlantica, King.

With the Compiler's Compliments.

MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN, M.A., D.C.L., F.L.S.

VI. MOLLUSCA TERRESTRIA ET FLUVIATILIA.

PRINTED FOR PRIVATE DISTRIBUTION.

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PREFATORY NOTES.

This Catalogue covers a wider area than that indicated on the cover as "Europe," being a list of such inland Mollusca of the *Palearctic Region* as are in my possession.

The term "Palaeartic Region" is employed to indicate the region thus named by Mr. A. R. Wallace,¹ except that the Manchurian Province, which has a very different Molluscan Fauna, is excluded. Thus limited this region embraces Europe, the parts of Africa and Arabia which lie to the North of the Tropic of Cancer, Persia and Afghanistan, and all to the North of those countries, together with the entire Russian Empire and the Islands of the Madeiran Province.

The general arrangement adopted is that of Dr. Paul Fischer.² In the nomenclature of genera and species, Dr. Westerlund's useful monograph³ is followed, as far as that work is published; and for the Mollusca of the Madeiran Province, which Province is not included in Westerlund, the work of Wollaston⁴ has been used, and the list of Mollusca of this Province is therefore printed separately at the end of the general catalogue.

I have closely followed the nomenclature of the most recent work, that of Westerlund, but must not be supposed to acquiesce in it; I cannot forbear strongly protesting against the extraordinary multiplication of names, due to certain continental authors. In no other class of animals has hair-splitting been carried out to such a mischievous and absurd extent.⁵ It would involve the study of a life, and intimate acquaintance with all the so-called species, to unravel the gordian knots which have been tied. Any partial attempt at correction in such a catalogue as this would be useless. A great gain would be bestowed upon science if able conchologists would take up special groups and, by careful study of the forms therein described, synonymize them and reduce the number of species within approximately correct limits.

¹ Wallace, *The Geographical Distribution of Animals*, 2 vols., 1876.

² Paul Fischer, *Manuel de Conchyliologie*, 1887.

³ Westerlund, *Fauna der in der Paläarctischen Region lebenden Binnenconchylien*, 1886-1889.

⁴ T. V. Wollaston, *Testacea Atlantica, or the Land and Freshwater Shells of the Azores, Madeiras, Salvages, Canaries, Cape Verdes and Saint Helena*, 1878.

⁵ From the "Zoological Record" for 1888 may be quoted a few examples taken from the most thoroughly worked countries in Europe. One author describes 8 new Unionidæ from France, and 2 from Savoy; another, 6 new species of the same family from Spain; another, 22 new Mollusca from Hamburg; another, 14 from Italy; another, 4 new European Testacellæ; another, 8 new species of Helices of the group *H. Rasplili*, from Corsica and Sardinia; another, 13 new Helices from the Alps—and all this in the year 1888! It may well be asked who are the scientific men, the conchologists of past times who never saw these "species," or those who have "discovered" them?

This collection owes its origin to the purchase, a few years ago, of the well-known European collection of the late Dr. Tiberi, of Naples, which, while good generally, was especially rich in South European forms, and in types received from describers. It has been since increased, chiefly by purchases, and at the present time contains more than twice as many forms as were in the Tiberian collection. The additions consist for the most part of East European, North Asiatic, North African, and Madeiran species.

I shall be glad to further add to it by purchase or by exchange. My duplicates of inland Mollusca are chiefly of South European species. I can, however, offer Marine Mollusca or other invertebrates; but unfortunately feel it necessary to guard myself by saying that it must not be expected that I should send rare Marine Mollusca, the acquisition of which has involved heavy expense, in exchange, *specimen for specimen*, for sub-species of inland Mollusca which prove, when received, to be scarcely, if at all, distinguishable from others already known to me. At the same time I would have it understood that I desire to obtain all described forms, if named by authorities, since it is only by the examination of specimens that the value of a named form can be gauged correctly.

Subgeneric names have only been introduced into those genera which embrace the largest number of species.

It is my usual habit to commence specific names which have reference to persons with a capital letter, and all others with a small letter; but in the present list, as there are some names of the origin of which I am ignorant, and which may be derived either from places or persons, small initials have in all cases been employed.

Letters should be addressed—

BURNMOOR RECTORY,
FENCE HOUSES,
Co. DURHAM.

Catalogues already published :—

- I.—ECHINODERMATA.
- II.—PANTOPODA (= PYCNOGONOIDEA.)
- III.—CRUSTACEA.
- IV.—MOLLUSCA MARINA.
- V.—BRACHIOPODA.

April 5, 1890.

MUSEUM NORMANIANUM.

VI.—MOLLUSCA TERRESTRIA ET FLUVIATILIA.

Class I.—GASTROPODA.

Order I.—Pulmonata.

Sub-Order I.—Geophila.

Fam. I.—Testacellidæ.

Testacella, Cuvier.

- | | |
|---|-------------------------|
| 1 | maugei, Fér. |
| 2 | haliotidea, Drap. |
| 3 | <i>i</i> scutulum, Sow. |
| 4 | bisulcata, Risso. |

Daubedardia. Hartmann.

- | | |
|----|-----------------|
| 5 | brevipes, Drap. |
| 6 | rufa, Drap. |
| 7 | nivalis, Ben. |
| 8 | heydeni, Btg. |
| 9 | lederi, Btg. |
| 10 | longi, Pfa. |

langi, Pir.
boettgeri, Clessin.
sicula, A. Bivona.
saulcyi, Bourg.
Glandina. Schumacher.

- 14 algira, Brug.
 15 dilatata, Zieg.
 16 intermedia, Mart.
 17 1 mingrellica, Bttg.
 18 sicula, Bourg.
 19 noireti, C. Pfr.

Fam. II—Limacidae

PARMACELLA CUVIER

- 20 olivieri, Cuv.
 21 deshayesii, M. Tand.
 22 valenciennesi, Webb & Ben.

Vitrina, Draparnaud.

- 23 diaphana, Drap.
 24 i heynemannii, Koch.
 25 nivalis, Charp.
 26 elongata, Drap.
 27 brevis, Fér.
 28 truncata, Bttg.
 29 penchinati, Bourg.
 30 pyrenaica, Fér.
 31 major, Fér.
 32 pellucida, Müll.
 33 angelicæ, Beck.
 34 bonellii, Targ. Tozz.
 35 letourneuxi, Bourg.
 36 servainiana, St. Sim.
 37 annularis, Ven.
 38 raddei, Bttg.
 39 lederi, Bttg.
 40 subcarinata, Bttg.

Limax, Linné.

- | | |
|----|---------------------|
| 41 | cinereus, Lister. |
| 42 | brandtii, Mart. |
| 43 | variegatus, Drap. |
| 44 | intermittens, Bttg. |
| 45 | agrestis, Lin. |
| 46 | lævis, Müll. |
| 47 | marginata, Müll. |
| 48 | talyscanus, Bttg. |
| 49 | tigris, Bttg. |
| 50 | marginata, Drap. |
| 51 | gagates, Drap. |
| 52 | longicollis, Bttg. |
| 53 | melanocephalus, Kr. |

Conulus Fitzinger

- 54 fulvus, Müll.
55 mandralisci, Biy.

Hyalinia, Agassiz.

(Vitreæ, Fitz.)

- 56 diaphana, Stud.
 57 angystropha, Bttg.
 58 contortula, Kryn.
 59 apalista, Bourg.
 60 subrimata, Reinh.
 61 subeffusa, Bttg.
 62 crystallina, Müll.
 63 *i* subterranea, Bourg.
 64 petricola, Paul.
 65 targioniana, Paul.
 66 cavannæ, Paul.
 67 *i* cretica, Bttg.
 68 botterii, Parr.
 69 contracta, West.
 70 kutschigi, Walderd.
 71 hydatina, Rossm.
 72 pseudohydatica, Bourg.

(Zonitoides, Lehmann.)

- 73 nitida, Müll.
 74 excavata, Bean.
 (Polita, Held.)
 75 pura, Alder.
 76 *i* lenticularis, Held.
 77 courquinii, Bourg.
 78 hammonis, Ström.
 a. viridula, Menke.

- 79 petronella, Charp.
 80 circumlineata, Küstr.
 81 camelina, Bourg.
 82 *i* frondosula, Mouss.
 83 testæ, Phil.
 84 *i* rossmässleri, West.
 85 de natale, Ben.
 86 villæ, Mort.
 87 oppressa, Shuttl.
 88 alicurensis, Ben.
 89 albinella, Paul.
 90 nevilliana, Paul.
 91 libysonis, Paul.
 92 balmei, Shuttl.
 93 diaphanella, Kryn.
 94 planella, Pfr.
 95 isserica, Letour.
 96 glabra, Stud.
 97 *i* striaria, West.
 98 nitidissima, Mouss.
 99 glaberrima, Ben.
 100 suturalis, Bttg.

Hyalinia, Agassiz.—continued.

(Polita, Held.)—continued.

- 101 subsuturalis, Bttg.
 102 oschtenica, Bttg.
 103 alliaria, Miller.
 a. viridula, Jeffr.
 104 cellaria, Müll.
 105 *i* sieversi, Bttg.
 106 *2* sancta, Bourg.
 107 *3* sicula, West.
 108 achlyophila, Bourg.
 109 psatura, Bourg.
 110 nitidula, Drap.
 a. helmei, Gilbert.
 111 margaritacea, A. Schm.
 112 uzielli, Iss.
 113 perspectiva, Blanc.
 114 farinesiana, Bourg.
 115 lederi, Bttg.
 116 draparnaudi, Beck.
 117 obscurata, Porro.
 118 blauneri, Shuttl.
 119 alhambræ, Kob.
 120 calpica, Kob.
 121 septentrionalis, Bourg.
 122 fulgida, Parr.
 123 nitens, Mich.
 124 hiulca, Jan.
 125 æquata, Mouss.
 126 jebusitica, Roth.
 127 protensa, Fé.
 128 *i* lamellifera, Blanc.
 129 subplana, Bourg.
 130 taurica, Clessin.
 131 issarica, Bourg.
 132 decipiens, Bttg.
 (Mesomphix, Rafinesque.)
 133 natolica, Albers.
 134 duboisi, Charp.
 135 elegans, Bttg.
 136 mingrellica, Mouss.
 137 difficilis, Bttg.
 138 superflua, Rossm.
 a. cydoniensis, Bl.
 139 fuscosa, Zieg.
 140 maurolici, Ben.
 141 calcarea, Aradas and Magg.
 142 alleryi, Paul.
 143 filicum, Kryn.
 144 kutaisiana, Mouss.

Hyalinia, Agassiz.—continued.

- (*Mesomphix, Rafinesque.*)—continued.
- 145 I transitans, Bttg.
 - 146 deila, Bourg.
 - 147 mülleri, Maltz.
 - 148 malinowskii, Zieg.
 - 149 cypria, Pfr.
 - 150 olivetorum, Hermann.
 - 151 icterica, Tiberi.
 - 152 incerta, Drap.
 - 153 I vasconica, Bourg.
 - 154 zonitomæa, Letour.
 - 155 ægopsinoïdes, Maltz.

Zonites, Montfort.

- 156 verticillus, Fér.
- 157 smyrnensis, Roth.
- 158 albanicus, Zieg.
- 159 chloroticus, Pfr.
- 160 euboeicus, Kob.
- 161 corax, Pfr.
- 162 pergranulatus, Godet.
- 163 algirus, Lin.
- 164 croaticus, Partsch.
- 165 I pudiosus, Zieg.
- 166 compressus, Zieg.
- 167 carniolicus, A. Schm.
- 168 acies, Partsch.
- 169 gemonensis, Fér.

*Fam. III.—Helicidæ.***Arion, Féüssac.**

- 170 empiricorum, Fér.
- 171 melanocephalus, Faure.
- 172 subfuscus, Drap.
- 173 hortensis, Fér.
- 174 isseli, Bourg.

Geomalacus, Allman.

- 175 maculosus, Allm.

Leucochroa, Beck.

- 176 candidissima, Drap.
 - a. maxima.
 - b. minor.
 - c. minima.
 - d. carinata.
- 177 I rimosa, Jan and Chr.
- 178 2 hierochuntina, Boiss.
- 179 bætica, Rossm.
 - a. gigantea.
- 180 I alexandrina, Fagot.
- 181 titanodolena, Pechaud.
- 182 otthiana, Forbes.

Leucochroa, Beck.—continued.

- 183 I jeannotiana, Rossm.
- 184 2 chionodiscus, Pfr.
- 185 argia, Bourg.
- 186 fimbriata, Bourg.
- 187 prophetarum, Bourg.
- 188 cariosula, Mich.
- 189 mayrani, Gass.
- 190 I subcariosula, Bourg.
- 191 2 debeauxii, Kob.
- 192 octinella, Bourg.
- 193 cariosa, Oliv.
- 194 I amphicyrta, Bourg.
- 195 2 nazarensis, Mouss.
- 196 3 crassocarina, Mouss.
- 197 boissieri, Charp.
- 198 filia, Mouss.
- 199 sarda, Maltz.

Helix, Linné.

- (*Punctum, Morse.*)
- 200 micropleuros, Pag.
 - 201 pouillieri, Bourg.
 - 202 haffeni, F. Schm.
 - 203 pygmæa, Drap.
 - 204 debeauxiana, Bourg.
 - 205 simoniana, Bourg.
 - 206 massoti, Bourg.

(*Patula, Held.*)

- 207 rotundata, Müll.
- 208 ruderata, Stud.
- 209 omalisma, Bourg.
- 210 balmei, Pot. and Mich.
- 211 I erdeli, Roth.
- 212 sudensis, Pfr.
- 213 solaria, Menke.
- 214 friwaldskyana, Rossm.
- 215 rupestris, Stud.
- 216 chorismenostoma, Blanc.
- 217 hierosolymitana, Bourg.

(*Vallotia, Risso.*)

- 218 costata, Müll.
- 219 tenuilabris, Braun.
- 220 pulchella, Müll.

(*Lepinota, West.*)

- 221 ciliata, Ven.

(*Acanthinula, Beck.*)

- 222 aculeata, Müll.
- 223 lamellata, Jeffr.
- 224 harpa, Say.

Helix, Linné.—continued.

- (*Gonostoma, Held.*)
- 225 coryrensis, Partsch.
 226 *i* canalifera, Ant.
 227 barbata, Fér.
 228 lusitanica, Pfr.
 229 tarnieri, Morel.
 230 boscæ, Hidalgo.
 231 annai, Palad.
 232 constricta, Boub.
 233 lenticularis, Morel
 234 lenticula, Fér.
 235 maroccana, Morel.
 236 calpeana, Morel.
 237 lens, Fér.
 238 *i* lentiformis, Zieg.
 239 turriplana, Morel.
 240 rangi, Desh.
 241 barbula, Charp.
 242 gougeti, Terv.
 243 buvignieri, Mich.
 244 obvoluta, Müll.
 245 antityra, Zieg.
 246 holosericea, Stud.
 247 diodonta, Mhlf.
 248 triaria, Friw.
 249 trinodis, Kimak.
 250 triadis, Kimak.
 251 personata, Lamk.
 252 nautiliformis, Porro.
 (*Elona, Adams.*)
 253 quimperiana, Fér.
 (*Chilotrema, Leach.*)
 254 lapicida, Lin.
 a. alba.
 (*Nummulina, Kob.*)
 255 nummus, Ehrbrg.
 256 prometheus, Bourg.
 (*Fruticicola, Held.*)
 257 bidens, Chemn.
 258 *i* dibothrion, Friw.
 259 unidentata, Drap.
 260 edentula, Drap.
 261 leucozona, Zieg.
 a. rutilans, Zieg.
 262 bielzi, A. Schm.
 263 hispida, Lin.
 264 *i* concinna, Jeffr.
 265 *2* septentrionalis, Clessin.
 266 *3* depilata, C. Pfr.

Helix, Linné.—continued.

- (*Fruticicola, Held.*)—continued.
- 267 rufescens, Penn.
 a. albida, Jeff.
 268 striolata, C. Pfr.
 269 montana, Stud.
 270 *i* danubialis, Clessin.
 271 cælata, Stud.
 272 clandestina, Hartm.
 273 umbrosa, Partsch.
 274 erjaveci, Brus.
 275 plebeia, Drap.
 276 filicina, F. J. Schm.
 i nudata, West.
 278 telonensis, Mettre.
 279 rufispira, Mart.
 280 martorelli, Bourg.
 281 parlatoris, Bivona.
 282 reina, Ben.
 283 villosa, Stud.
 284 villosula, Zieg.
 285 sericea, Drap.
 286 rubiginosa, Zieg.
 287 granulata, Alder.
 288 chnoodia, Bourg.
 289 revelata, Fér.
 290 montivaga, West.
 291 transylvanica, Bielz.
 292 corsica, Shuttl.
 293 perlevis, Shuttl.
 294 lanuginosa, Boissy.
 295 roseotincta, Forbes.
 296 berbrüggeriana, Letour.
 297 fusca, Mont.
 298 globula, Krynn.
 299 pisiformis, Pfr.
 300 berytensis, Fér.
 301 samsunensis, Zeleb.
 302 talyschana, Mart.
 303 inchoata, Mor.
 304 schuberti, Roth.
 305 circassia, Charp.
 306 rissoana, Pfr.
 307 *i* dirphica, Blanc.
 308 euboeica, Kob.
 309 messenica, Blanc.
 310 frequens, Mouss.
 311 carascaloides, Bourg.
 312 fruticola, Krynn.
 313 consona, Zieg.

Helix, Linné.—continued.

- (*Fruticicola*, Held.)—continued.
- 314 *pirajnea*, Ben.
 315 *hiberna*, Ben.
 a. vulcanica, Plat.
 316 *lurida*, Zieg.
 317 *cantiana*, Mont.
 318 *anconæ*, Iss.
 a. rubella, Riss.
 319 *cemenelea*, Riss.
 320 *carthusiana*, Müll.
 a. rufilabris, Jeff.
 b. claustralisch, Parr.
 321 *i archimedea*, Ben.
 322 *glabella*, Drap.
 323 *i sarriensis*, Mart. y Pena.
 324 *z lamalouensis*, Reynes.
 a. arvensis, Pini.
 325 *freytagi*, Maltzan.
 326 *muscicola*, Bourg.
 327 *pseudosericea*, Ben.
 328 *olivieri*, Fér.
 a. ocellata, Parr.
 329 *i parumcincta*, Parr.
 330 *z bicincta*, Ben.
 331 *z ocellus*, Mouss.
 332 *z gregaria*, Zieg.
 333 *rothi*, Pfr.
 a. rufocincta, Parr.
 334 *syriaca*, Ehrenb.
 335 *obstructa*, Fér.
 336 *flaveola*, Kryn.
 337 *zonitomæa*, Letour.
 338 *rusicadensis*, Letour.
 339 *faidherbiana*, Bourg.
 340 *strigella*, Drap.
 341 *orsinii*, Porro.
 342 *i picena*, Kob.
 343 *parreyssi*, Pfr.
 344 *martensiana*, Tiberi.
 345 *apennina*, Porro.
 346 *incarnata*, Müll.
 347 *vicina*, Rossm.
 348 *limbata*, Drap.
 349 *cinctella*, Drap.

 (*Cressa*, West.)
 350 *pellita*, Fér.
 a. major.
 351 *i kreglingeri*, Zieg.
 352 *naxiana*, Fér.

Helix, Linné.—continued.

- (*Cressa*, West.)—continued.
- 353 *westerlundi*, Blanc.
 354 *i casia*, Mart.
 355 *noverca*, Friw.
 356 *lecta*, Fér.
 357 *sublecta*, Maltz.
 a. minor.

 (*Campylæa*, Beck.)
 358 *appeliusi*, Mouss.
 359 *narzarensis*, Kryn.
 a. castanea, Bttg.
 b. subunicolor, Bttg.
 360 *i cyclothyra*, Bttg.
 361 *pratensis*, Pfr.
 a. unicolor, Bttg.
 b. major, Bttg.
 c. unicingulata, Bttg.
 362 *joannis*, Mart.
 363 *pontica*, Bttg.
 364 *ravergieri*, Fér.
 365 *transcaucasica*, Bager.
 366 *phæolema*, Bttg.
 367 *eichwaldi*, Pfr.
 368 *armeniaca*, Pfr.
 369 *raspailii*, Payr.
 370 *brocardiana*, Dut.
 371 *gennarii*, Paul.
 a. depressa.
 372 *carotii*, Paul.
 a. major, Maltz.
 b. unifasciata, Maltz.
 c. viverina, Maltz.
 d. lamarmoræ, Maltz.
 e. spectrum, Maltz.
 373 *melonii*, Maltz.
 374 *pouzolzi*, Mich.
 375 *i montenegrina*, Zieg.
 376 *banatica*, Partsch.
 377 *stenomphala*, Menke.
 378 *kollaris*, Zeleb.
 379 *phalerata*, Zieg.
 380 *i chamæleon*, Parr.
 381 *glacialis*, Thomas.
 382 *alpina*, Faure-Big.
 383 *i fontenilli*, Mich.
 384 *schmidti*, Zieg.
 385 *hermesiana*, Pini.
 386 *i frigidissima*, Ad.
 387 *intermedia*, Fér.

Helix, Linné.—continued.

- (*Campylæa*, Beck.)—continued.
- 388 ziegleri, Schm.
 389 æmula, Rossm.
 390 pyrenaica, Drap.
 391 ichthyomma, Held.
 392 1 achates, Zieg.
 393 cisalpina, Stab.
 394 1 de-bettæ, Ad.
 395 2 adamii, Kob.
 396 3 rhætica, Mouss.
 a. alba.
 397 zonata, Stud.
 a. fœtens, Stud.
 398 subzonata, Mouss.
 399 1 distans, Blanc.
 400 planospira, Lam.
 a. major.
 401 1 stabilei, Paul.
 402 2 illyrica, Stab.
 403 3 pubescens, Tiberi.
 404 4 setulosa, Brig.
 405 macrostoma, Mhlf.
 406 1 cryptozona, Zieg.
 407 2 confusa, Ben.
 408 benedicta, Kob.
 409 hirta, Menke.
 410 lefeburiana, Fér.
 411 setosa, Rossm.
 a. minor.
 412 brusinæ, Stoss.
 413 1 velebitana, Klec.
 414 crinita, Sandri.
 415 hoffmanni, Partsch.
 416 klecaki, Parr.
 417 insoleta, Zieg.
 418 narentina, Klec.
 419 denudata, Rossm.
 420 nicolai, Klec.
 421 trizona, Zieg.
 422 cyclolabris, Desh.
 423 1 arcadica, Parr.
 424 2 hymetti, Mouss.
 425 3 sphæriostoma, Bourg.
 426 4 heldreichi, Shuttl.
 427 cærulans, Mhlf.
 428 1 rugata, Kuc and Sand.
 429 cornea, Drap.
 430 desmoulini, Farines.
 431 phocæa, Roth.

Helix, Linné.—continued.

- (*Campylæa*, Beck.)—continued.
- 432 cingulata, Stud.
 433 1 inornata, Rossm.
 434 2 anauniensis, De Betta.
 435 3 athesina, Paul.
 a. pinii, Ad.
 436 4 baldensis, Villa.
 437 carrarensis, Porro.
 438 presli, F. Schm.
 439 1 nicatis, Costa.
 440 2 appellii, Kob.
 441 columbrina, Jan.
 a. minor.
 442 gobanzi, Frfld.
 443 tigrina, Chr. and Jan.
 444 frigida, Jan.
 a. insubrica, Jan.
 b. adamii, Pini.
 445 cingulella, Zieg.
 446 faustina, Zieg.
 447 1 associata, Zieg.
 448 2 charpentieri, Scholz.
 449 rossmæssleri, Pfr.

(*Arianta*, Leach.)

450 æthiops, Bielz.
 451 arbustorum, Lin.
 a. boissieria, M. Tand.
 b. flavescentia, M. Tand.
 452 1 picea, Zieg.
 453 2 xatarti, Farines.
 454 3 repellini, Charp.
 455 4 alpicola, Fér.
 456 5 rudis, Mhlf.
 457 6 fusca, Fér.

(*Eremina*, Pfr.)

458 desertorum, Forskäl.
 a. inflata.
 459 1 hasselquisti, Ehbg.
 a. ehrenbergi, Roth.
 460 2 hemprichi, Ehbg.
 461 desertella, Jick.

(*Eulota*, Hartmann.)

462 fruticum, Müll.
 a. andersoni, Clessin.
 b. fasciata.
 c. carnea.
 463 schrenki, Middend.
 464 phæozona, Mart.
 465 euages, Bttg.

Helix, Linnè.—continued.

	(<i>Euparypha, Hartmann.</i>)
466	planata, Chemn.
467	<i>i</i> arietina, Rossm.
468	dehnei, Rossm.
469	subdentata, Fér.
470	pisana, Müll. <i>a.</i> alba, Shuttl.
471	<i>i</i> anonyma, West.
472	<i>z</i> dermoi, Serv.
473	<i>z</i> algarbiensis, Maltz. monst. turriculala. monst. sinistrorsa.
	(<i>Xerophila, Held.</i>)
474	virgata, Da Costa.
475	<i>i</i> variabilis, Drap. monst. sinistrorsa.
476	lineata, Olivi.
477	herbicola, Shuttl.
478	luteata, Parr.
479	dautezi, Kob.
480	lauta, Lowe.
481	pseudenthalia, Bourg.
482	euxina, Clessin.
483	astata, Bourg.
484	hydruntina, Blanc.
485	<i>i</i> messapia, Blanc.
486	erythræa, West.
487	<i>i</i> halophila, Deb.
488	<i>z</i> affinior, Deb.
489	sebkarum, Deb.
490	subrostrata, Fér.
491	cretica, Fér.
492	moneriana, Bourg.
493	simulata, Fér.
494	dohrni, Paul.
495	seetzeni, Koch. <i>i</i> fasciata, Mouss.
496	<i>z</i> subinflata, Mouss.
497	turbinata, Jan.
498	candiota, Friw.
499	pellucens, Shuttl.
500	berlieri, Mor.
502	lacertarum, Bourg.
503	durieui, M. Tand.
504	parva, Parr.
505	acompsia, Bourg.
506	<i>i</i> acompsiella, Anc.
507	krynnichi, Andrz.
508	protea, Zieg.

Helix, Linné.—continued.

	(<i>Xerophila, Held.</i>)—continued.
509	joppensis, Roth.
510	<i>i</i> multinotata, Mouss.
511	nivea, Zieg.
512	siderensis, Maltz.
513	bargesiana, Bourg.
514	vestalis, Parr.
515	euphorca, Bourg.
516	mauritanica, Bourg.
517	caruanæ, Kob.
518	chalcidica, Mouss.
519	cauta, West.
520	didyma, West.
521	piratarum, Kob.
522	adolphi, Pfr.
523	arigoi, Bourg.
524	rhodochila, West.
525	calopsis, Bourg.
526	kabyliana, Deb.
527	terveri, Mich.
528	mœsta, Parr.
529	oranensis, Morel.
530	choreta, Bourg.
531	colomesiana, Bourg.
532	sphærita, Hartm.
533	sitifensis, Bourg.
534	cespitem, Drap.
535	eremophila, Boiss.
536	erkelii, Kob.
537	arenarum, Bourg.
538	neglecta, Drap.
539	suspecta, West.
540	rozeti, Mich.
541	diensis, Maltz.
542	mesostena, West.
543	psiloritana, Maltz.
544	tuta, Paul.
545	caroli, Dohrn. and Heyn.
546	camerata, Mouss.
547	subprofuga, Stab.
548	meda, Porro.
549	profuga, A. Schm. <i>a.</i> major.
550	<i>i</i> smyrnensis, Bttg.
551	etrusca, Iss.
552	meridionalis, Parr.
553	hamilcaris, Kob.
554	cyzicensis, Gallard.
555	hellenicæ, Bourg.

Helix, Linné.—continued.

(Xerophila, Held.)—continued.

- 556 variegata, Friw.
 557 phthiotia, West.
 558 striata, Müll.
 559 1 costulata, Zieg.
 560 apicina, Lam.
 561 1 requieni, M. Tand.
 562 bardensis, Bourg.
 563 ordinensis, Kob.
 564 intersecta, Poir.
 565 codia, Bourg.
 566 semipicta, Hidalgo.
 567 cistorum, Mor.
 568 penchinati, Bourg.
 569 valcourtiana, Bourg.
 570 heripensis, Mab.
 571 gigaxii, Charp.
 572 trepidula, Serv.
 573 rugosiuscula, Mich.
 574 unifasciata, Poir.

a. thymorum, Alten.

- 575 lunulata, Kryn.
 576 subvariegata, Maltz.
 577 barcinonensis, Bourg.
 578 madritensis, Ramb.
 579 hillyeriana, Paul.
 580 derogata, Rossm.
 581 redoubiana, Bourg.
 582 micromphalus, Letour.
 583 submeridionalis, Bourg.
 584 modica, Morel.
 585 1 attafensis, Mor.
 586 hippensis, Morel.
 587 cottyi, Morel.
 588 langloisiana, Bourg.
 589 oertzeni, Maltz.
 590 hierapterana, Maltz.
 591 sitiensis, Maltz.
 592 colosseana, Fagot.
 593 illibata, Parr.
 594 conspurcata, Drap.
 595 psara, Bourg.
 596 malaspinae, Bourg.
 597 locheana, Bourg.
 598 sardiniensis, Porro.
 599 quisquiliæ, Paul.
 600 carascalensis, Fér.
 601 velascoi, Hidalgo.
 602 zelebori, Pfr.

Helix, Linné.—continued.

(Xerophila, Held.)—continued.

- 603 amanda, Rossm.
 604 1 dormiens, Ben.
 605 usticensis, Calcara.
 606 ponsonbyi, Kob.
 607 hamudæ, Kob.
 608 barneana, Anc.
 609 amphiconus, Maltz.
 610 sphakiota, Maltz.
 611 tineana, Ben.
 612 præclara, Cafici.
 613 rugosa, Chemn.
 614 crenimargo, Kryn.
 615 syrensis, Pfr.
 616 ledereri, Pfr.
 617 spratti, Pfr.
 618 explanata, Müll.
 619 sigensis, Kob.
 620 1 jolyi, Pech.
 621 depressula, Parr.
 622 henoniana, Bourg.
 623 doumeti, Bourg.
 624 1 lacosteana, Mor.
 625 boissyi, Terv.
 626 1 frater, D.
 627 nyelii, Mittre.
 628 homeyeri, Dohrn. and Hey.
 629 prietoi, Hidalgo.
 630 pollenzensis, Hidalgo.
 631 setubalensis, Pfr.
 632 barceloi, Hidalgo.
 633 cardonæ, Hidalgo.
 634 argonautula, Webb and Berth.
 635 turcica, Chemn.
 636 magadorensis, Bourg.
 637 degenerans, Mouss.
 638 mograbina, Mor.
 639 tunetana, Pfr.
 640 pamplonensis, A. Schm.
 641 ericetorum, Müll.
 a. leucozona, M. Tand.
 b. oblitterata, Hartm.
 642 obvia, Zieg.
 643 1 arenosa, Zieg.
 644 2 dejecta, Zieg.
 645 spirula, Zieg.
 646 vulgarissima, Schlæf.
 647 interpres, West.
 648 aberrans, Mouss.

Helix, Linné.—continued.

(Xerophila, Held.)—continued.

649	derbentina, Kryn.
650	1 isomera, Friw.
651	2 armeniaca, Bayer.
652	filimargo, Zieg.
653	ammonis, A. Schm. a. candida, Porro.
654	1 discrepans, Tiberi.
655	spadæ, Calcaræ.
656	instabilis, Zieg. 1 ratowskyana, Clessin.
657	bathyomphala, Charp.
658	bathyptera, Blanc. a. affinis, Blanc.
659	nubigena, Charp.
660	destituta, Charp.
662	homoleuca, Parr.
663	liburnica, Stoss.
664	newka, Dohrn.
665	majoricensis, Dohrn. and Hey.
666	caroni, Desh.
667	elata, Faure-Biguet.
668	trochlea, Pfr.
669	sequentiana, Ben.
670	tuberculosa, Conrad.
671	philamnia, Bourg.
672	ptycodia, Bourg.
673	terrestris, Penn.
674	scitula, Jan. and Christ.
675	trochoides, Poir. 1 sulculata, Jan.
676	2 infulata, Paul.
677	3 conica, Drap.
678	verticillata, Parr.
679	pyramidata, Drap.
680	apiculus, Rossm.
682	tarentina, Pfr.
683	madana, Let. and Bourg.
684	numidica, M. Tand.
685	calcarata, Ben.
686	schrembrii, Scacchi.
687	vatonniana, Bourg.
688	contermina, Shuttl.
689	conoidea, Drap. a. cognata, Zieg. b. major.
690	pringi, Pfr.
691	acuta, Müll.
692	barbara, Lin.

Helix, Linné.—continued.

(Iberus, Montfort.)

693	gualteriana, Lin.
694	1 laurentii, Bourg.
695	subscabriuscula, Bourg.
696	scabriuscula, Desh. a. major. b. minor.
697	1 scalariformis, Ben.
698	2 segestana, Phil.
699	3 selinuntina, Phil.
700	bülowi, Maltz.
701	paciniana, Phil.
702	sardonia, Mart. 1 dorgaliensis, Maltz.
703	grohmanni, Phil.
704	tiberiana, Ben.
705	muralis, Müll.
706	1 rugosa, Zieg. 2 costulata, Ben.
707	3 crispata, Ben.
708	4 organensis, Philbert.
709	globularis, Zieg. a. conspicua, Ben. b. friwaldskyi, Calcara.
710	c. achatina, Ben. d. undulata, Ben.
711	e. saracena, Ben. 1 tarentina, Kob.
712	eugenia, Pfr.
713	1 huetiana, Ben.
714	platychela, Menke. a. minor
715	1 rosaliæ, Ben. 2 iparia, Ben.
716	sicana, Fér. a. fasciata.
717	b. minor.
718	sicanoides, Kob.
719	böttgeri, Kob.
720	melitensis, Fér.
721	ascheræ, Kob.
722	ridens, Mart. a. minor, Maltz.
723	b. splendens, Maltz. c. major.
724	provincialis, Ben. a. unicolor, Ben.
725	carsoliana, Fér.
726	1 uzielliana, Paul.

Helix, Linné.—continued.*(Iberus, Montfort.)*—continued.

- 727 nebrodensis, Pirajno.
 728 villica, Paul.
 729 signata, Fér.
 730 scherzeri, Zieg.
 731 strigata, Fér.
 a. posidoniiensis, Tiberi.
 b. corrugata, Zieg.
 732 *i* umbrica, Chem.
 a. moltenii, Ad.
 733 mariannæ, Kob.
 734 *i* apula, Blanc.
 735 surrentina, A. Schm.
 736 leachi, Fér.
 737 rollei, Maltz.
 738 serpentina, Fér.
 739 *i* trica, Paul.
 740 *2* isaræ, Paul.
 741 *3* isilensis, Villa.
 742 *4* jaspidea, Mab.
 743 *5* sicula, Ben.
 744 hospitans, Bonelli.
 a. depressa, Paul.
 b. subangulata, Paul.
 c. carinata, Paul.
 745 *i* alabastrina, Paul.
 746 caræ, Cantraine.
 747 *i* adjaciensis, Paul.
 748 cenestinensis, Crosse and Debeaux.
 749 suburbana, Paul.
 750 halmyris, Mab.
 751 pudiosa, Paul.
 752 nicensis, Fér.
 753 tetazona, Jan.
 754 spiriplana, Oliv.
 755 hierosolyma, Boissier.
 756 *i* masadeæ, Tristram.
 757 cæsareana, Parr.
 758 guttata, Olivi.
 759 disculfensis, Dubois.
 760 kurdistana, Parr.
 (*Macularia, Albers.*)
 761 codringtoni, Gray.
 762 *i* pseudoparnassia, Mouss.
 763 *2* parnassia, Roth.
 764 alonensis, Fér.
 765 campesina, Ezquerra del Bajo.
 766 marmorata, Fér.
 767 *i* rondensis, Kob.

Helix, Linné.—continued.*(Macularia, Albers.)*—continued.

- 768 carthaginiensis, Rossm.
 769 loxana, Rossm.
 770 atlasica, Mouss.
 771 beaumieri, Mouss.
 772 ebusitana, Hid.
 773 raymondi, M. Tand.
 774 balearica, Zieg.
 775 companyoi, Aleron.
 776 minorica, Berth.
 777 soluta, Mich.
 778 *i* alabastrites, Mich.
 779 vermiculata, Müll.
 a. minor.
 b. albina.
 780 *i* usticensis, Kob.
 a. crassilabris, Maltz.
 b. zonata.
 c. globosa.
 d. pyramidata.
 781 constantinæ, Forbes.
 782 boghariensis, Deb.
 783 fleurati, Bourg.
 784 lactea, Müll.
 a. unicolor.
 785 murcica, Rossm.
 786 axia, Bourg.
 787 bleicheri, Palad.
 788 lucasii, Desh.
 789 alybensis, Kob.
 790 myristigmæa, Bourg.
 i punctatissima, Jenisson.
 2 bredeana, Deb.
 791 apalolena, Bourg.
 792 galena, Bourg.
 793 eugastora, Bourg.
 794 jourdaniana, Bourg.
 795 hieroglyphicula, Mich.
 a. oranica, Deb.
 796 segnyana, Bourg.
 797 julietti, Terver.
 798 beguirana, Deb.
 799 punica, Mor.
 800 massylæa, Morelet.
 801 *i* zenatia, Kob.
 802 zaffarina, Beck.
 803 *i* zelleri, Kob.
 804 dupotetiana, Terver.
 805 acatergastra, Pechaud.

Helix, Linné.—continued.(*Macularia, Albers.*)—continued.

- 808 brevieri, Pechaud.
 809 aricensis, Deb.
 810 abrolena, Bourg.
 a. albida.
 811 arabica, Terver.
 812 xanthodon, Anton.
 813 ema, Bourg.
 814 doubleti, Pech.
 815 odopachya, Bourg.
 816 pseudoembia, Deb.
 817 burini, Bourg.
 818 dastuguei, Bourg.
 819 tigriana, Bourg.
 820 dicallistodon, Bourg.
 821 graellsiana, Pfr.
 (*Tachea, Leach.*)
 822 atrolabiata, Kryn.
 a. subnemoralis, Bttg.
 b. maculofasciata, Bttg.
 c. tricolor, Bttg.
 823 1 staupolitana, A. Schm.
 824 2 lencoranea, Mouss.
 825 3 pallasi, Dubois.
 826 4 decussata, Bttg.
 827 vindobonensis, Fér.
 828 nemoralis, Müll.
 829 1 leucostoma, Stab.
 829* 2 roseolabiata, Taylor.
 monstr. scalariformis.
 monstr. sinistrorsa.
 830 hortensis, Müll.
 831 1 hybrida, Poiret.
 832 sylvatica, Drap.
 a. montana, Stud.
 b. rhenana, Kob.
 833 coquandi, Mor.
 a. nahoni, Kob.
 834 splendida, Drap.
 835 1 cossoni, Letour.
 (*Pomatia, Beck.*)
 836 aperta, Born.
 837 tristis, Pfr.
 838 aspersa, Müll.
 839 1 exalbida, Menke.
 840 2 conoidea, Picard.
 841 3 tenuis, Jeff.
 monstr. scalariformis.
 monstr. sinistrorsa.

Helix, Linné.—continued.(*Pomatia, Beck.*)—continued.

- 842 mazzullii, Jan.
 843 vermiculosa, Mor.
 844 godetiana, Kob.
 845 prasinata, Roth.
 846 cavata, Mouss.
 847 asemnis, Bourg.
 848 figulina, Parr.
 849 pomacella, Parr.
 850 lutescens, Zieg.
 851 philibensis, Friw.
 852 nordmanni, Parr.
 853 obtusata, Zieg.
 854 cincta, Müll.
 855 ambigua, Parr.
 856 thiesseana, Kob.
 857 nucula, Parr.
 1 pronuba, West.
 858 melanostoma, Drap.
 860 buchi, Dub.
 861 pomatia, Lin.
 a. compacta, Hazay.
 b. pulskyana, Hazay.
 c. hajnaldiana, Hazay.
 d. solitaria, Hazay.
 e. pannonica, Hazay.
 f. sabulosa, Hazay.
 monst. ovata.
 monst. scalariformis.
 monst. sinistrorsa.
 862 ligata, Müll.
 863 1 praetutia, Tiberi.
 864 2 gussoneana, Pfr.
 865 3 albescens, Jan.
 865* 4 campana, Tiberi.
 866 secerunda, Rossm.
 867 schlæfli, Mouss.
 868 1 prestans, Blanc.
 869 lucorum, Lin.
 870 1 castanea, Oliv.
 871 2 euphratica, Mart.
 872 straminea, Brig.
 873 onixomicra, Bourg.
 874 taurica, Kryn.
 875 radiosha, Zieg.
 Fam. IV.—*Pupidae.*
Buliminus, Ehrenberg.
 (*Zebrinus, Held.*)
 876 detritus, Müll.

Buliminus, Ehrenberg.—continued.

(Zebrinus, Held.)—continued.

- a. albidus, Menke.
- b. unicolor, Jan.
- c. radiatus, Pfr.
- d. tumidus, Parr.

- 877 fasciolatus, Oliv.
 - a. punctatus.

- 878 1 kurdistanus, Parr.

- 879 hohenackeri, Kryn.

- 880 dardanus, Friw.

- 881 eburneus, Pfr.

- 882 cylindricus, Menke.

- 883 1 fusiformis, Menke.

- 884 2 fuscilabris, Kryn.

- 885 3 zebriolatus, Clessin.

- 886 4 retowskyanus, Clessin.

- 887 5 illibatus, Zieg.

- 888 varnensis, Friw.

- (Brephealus, Beck.)

- 889 orientalis, Friw.

- 890 friwaldskyi, Pfr.

- 891 1 reynevalianus, Raym.

- 892 attenuatus, Kryn.

- 893 1 theodosianus, Bourg.

- 894 2 costatus, Ret.

- 895 zebra, Oliv.

- 896 1 spoliatus, Parr.

- 897 2 beoticus, Bourg.

- 898 compactus, Friw.

- 899 olympicus, Parr.

- 900 tournefortianus, Fér.

- (Mastus, Beck.)

- 901 episomus, Bourg.

- 902 cretensis, Pfr.
 - a. elongatus.

- 903 ehrenbergi, Pfr.

- 904 dirphicus, Blanc.

- 905 grandis, Bielz.

- 906 kindermannii, Parr.

- 907 rossmässleri, Pfr.

- 908 carneolus, Zieg.

- 909 transylvanicus, Kim.

- 910 turgidus, Parr.

- 911 etuberculatus, Frfld.

- 912 gastrum, Ehrb.

- 913 uriae, Tristram.

- 914 pusio, Broderip.

- 915 pupa, Brug.
 - 1 sardoa.

Buliminus, Ehrenberg.—continued.

(Mastus, Beck.)—continued.

- 917 reversalis, Bielz.
 - a. brevis, West.
 - b. elongatus, Bielz.
 - c. alpestris, Bielz.

- 918 venerabilis, Parr.

- (Medea, Bttg.)

- 919 raddei, Kob.

- (Retowskia, Bttg.)

- 920 schlaflii, Mouss.

- (Omphaloconus, West.)

- 921 euryomphalus, Letour.

- (Napæus, Albers.)

- 922 kabylianus, Letour.

- 923 milevianus, Raym.

- 924 cirtanus, Morel.

- 925 todillus, Morel.

- 926 1 janus, West.

- 927 letourneuxi, Bourg.

- 928 jeannoti, Terv.

- 929 michellii, Kob.

- 930 subulatus, Rossm.

- 931 reitteri, Mart.

- 932 rupestris, Kryn.

- 933 merduenianus, Kryn.

- 934 græucus, Beck.
 - a. elongatus, Kob.

- 935 olivaceus, Pfr.
 - a. elongatus.

- 936 cæsius, Bttg.

- 937 montanus, Bttg.

- 938 1 variegatus, M. Tand.

- 939 couis, Ar.

- 940 caucasicus, Pfr.

- 941 boettgeri, Clessin.

- 942 obscurus, Müll.

- 943 1 umbrosus, Mouss.

- 944 gibber, Kryn.

- (Chondrulus, Beck.)

- 945 lederi, Bttg.

- 946 diffusus, Mouss.

- 947 consentaneus, Zieg.

- 948 tridens, Müll.
 - a. elongatus, West.
 - b. major, Kryn.

- 949 eximus, Rossm.

- 950 2 bayerni, Parr.
 - a. marcidus, Bttg.

- 951 3 albolumbus, Pfr.

Buliminus, Ehrenberg.—continued.

- (*Chondrulus*, Beck.)—continued.
- 952 4 haleciensis, Clessin.
 953 rothi, Pfr.
 954 quinquedentatus, Mühlf.
 955 bergeri, Roth.
 956 microtragus, Parr.
 957 tricuspidatus, Kstr.
 958 truquii, Bell.
 959 septemdentatus, Roth.
 a. elongatus, Roth.
 b. albus.
 960 lamellifer, Rossm.
 961 1 phasianus, Dub.
 962 2 angustatus, Ret.
 963 ovularis, Oliv.
 964 1 sulcidens, Mouss.
 965 didymodus, Bttg.
 966 clessini, Ret.
 967 nucifragus, Parr.
 968 stylus, Parr.
 969 albulus, Mouss.
 970 saulcyi, Bourg.
 971 chondriformis, Mouss.
 972 quadridens, Müll.
 973 1 prolixus, Pini.
 974 2 elongatus, Requ.
 975 3 niso, Risso.
 976 4 loewi, Phil.
 977 thiesseanus, Mouss.
 a. major.
 978 scapus, Parr.
 979 1 destitutus, Mouss.
 (*Amphiscopus*, West.)
 980 sturmi, Kstr.
 981 squalinus, Rossm.
 (*Petraeus*, Albers.)
 982 labrosus, Oliv.
 983 1 jordani, Boiss.
 984 2 diminutus, Mouss.
 985 hedjazicus, Bourg.
 986 syriacus, Pfr.
 987 sidoniensis, Charp.
 988 halepensis, Pfr.
 989 candidus, Lamk.
 990 forskali, Beck.
 991 eremita, Benson.
 992 1 germabensis, Bttg.
 993 labiellus, Mart.
 a. albinus.

Buliminus, Ehrenberg.—continued.

- (*Petraeus*, Albers.)—continued.
- 994 ujaloyanus, Ancey.
 995 kuschakewitzi, Ancey.
 996 trigonochilus, Ancey.
 997 asiaticus, Mouss.
 998 intumescens, Mart.
 999 secalinus, Mouss.
 1000 rufistrigatus, Benson.
 1001 sogdianus, Mart.
 1002 potaninianus, Ancey.
 1003 przevalskii, Ancey.
 1004 bonvallotianus, Ancey.
 1005 candelabris, Pfr.
 (*Zootecus*, West.)
 1006 insularis, Ehrbg.
 (*Cylindrus*, Fitzinger.)
 1007 obtusatus, Drap.
- Pupa, Draparnaud.**
- (*Lauria*, Gray.)
- 1008 cylindracea, Da Costa.
 a. albina.
 1009 1 villæ, Charp.
 1010 2 umbilicus, Roth.
 1011 semproni, Charp.
 a. dilucida, Zieg.
 1012 1 caspia, Pfr.
 1013 anglica, Fér.
 1014 pulchra, Ret.
 1015 1 nitens, Bttg.
 1016 superstructa, Mouss.
 1017 1 zonata, Bttg.
 a. albina.
 1018 2 unibasalis, Bttg.
 (*Orcula*, Held.)
 1019 dolium, Drap.
 1020 gularis, Rossm.
 a. spoliata, Rossm.
 1021 conica, Rossm.
 1022 schmidti, Kstr.
 1023 doliolum, Brug.
 1024 scyphus, Friw.
 1025 mesopotamica, Mouss.
 1026 raymondi, Bourg.
 1027 1 trifilaris, Mouss.
 1028 2 bifilaris, Mouss.
 (*Coryna*, West.)
 1029 truncatella, Zieg.
 1030 biplicata, Mich.

Pupa, Draparnaud.—continued.

(Coryna, West.)—continued.

- 1031 1 excessiva, Gredl.
 1032 ferrari, Porro.
 (Pagodina, Strobel.
 1033 pagodula, Des Moul.
 a. gracilis, Bttg.
 1034 1 subdola, Gredl.
 1035 2 lederi, Bttg.
 (Sandahlia, West.)
 1036 cylindrica, Mich.
 (Torquilla, Faure-Big.)
 1037 similis, Brug.
 1038 pallida, Phil.
 1039 1 amicta, Parr.
 1040 psarolena, Bourg.
 1041 megachilus, Jan.
 a. gigantea, M. Tand.
 1042 goniostoma, Kstr.
 1043 bigorriensis, Charp.
 1044 1 moquiniana, Kstr.
 1045 leptochilus, Fagot.
 1046 avenacea, Brug.
 1047 1 duplicita, Kstr.
 1048 2 transiens, West.
 1049 cereana, Mühlf.
 1050 bergomensis, Kstr.
 1051 faranesi, Des Moul.
 1052 jumillensis, Guirao.
 1053 obliterata, Charp.
 1054 arigoi, Rossm.
 1055 kobelti, Hidalgo.
 1056 lusitanica, Rossm.
 1057 tingitana, Kob.
 a. algesiræ, Kob.
 1058 calpica, West.
 1059 mühlfeldi, Kstr.
 1060 1 ventilatoris, Parr.
 1061 rupestris, Phil.
 1062 scalaris, Parr.
 1063 brondeli, Bourg.
 1064 occulta, Parr.
 1065 philippii, Cantr.
 1066 rhodia, Roth.
 1067 michaudi, Terv.
 1068 kabyliana, Letour.
 1069 frumentum, Drap.
 1070 1 elongata, Rossm.
 1071 2 illyrica, Rossm.
 1072 3 curta, Kstr.

Pupa, Draparnaud.—continued.

- (Torquilla, Faure-Big.)—continued.
- 1073 4 pachygastra, Zieg.
 1074 5 appennina, Charp.
 1075 brauni, Rossm.
 1076 cristella, West.
 1077 ringens, Caillard.
 a. fagotiana, Loc.
 1078 baillensi, Dup.
 1079 partioti, M. Tand.
 1080 secale, Drap.
 1081 1 seligo, Roth.
 1082 boileausiana, Charp.
 1083 pyrænaria, Boub.
 a. saxicola, M. Tand.
 1084 bofilli, Fagot.
 1085 vergnesiana, Charp.
 1086 clausilioides, Boub.
 1087 affinis, Rossm.
 1088 polyodon, Drap.
 1089 1 ringicula, Mich.
 1090 montserratica, Fagot.
 1091 variabilis, Drap.
 a. maxima.
 1092 mortilleti, Stab.
 1093 anceyi, Fagot.
 1094 micheli, Terv.
 1095 granum, Drap.
 1096 subulata, Bivona.
 (Odontocyclas, Schläter.)
 1097 rossmässleri, Schm.
 1098 kokeili, Rossm.
 (Pupilla, Leach.)
 1099 muscorum, Müll.
 a. edentula.
 1100 1 bigranata, Rossm.
 1101 sterri, Voith.
 1102 1 aridula, Held..
 1103 triplicata, Stud.
 1104 1 luxurians, Reinh.
 1105 2 inops, Reinh.
 1106 signata, Mouss.
 1107 interrupta, Roth.
 (Sphaeridium, Agassiz.)
 1108 edentula, Drap.
 1109 gredleri, Cless.
 1110 inornata, Mich.
 (Isthmia, Gray.)
 1111 strobeli, Gredl.
 1112 claustralidis, Gredl.

Pupa, Draparnaud.—continued.

- (*Isthmia*, Gray.)—continued.
- 1113 1 clavella, Reinh.
 1114 2 opistodon, Reinh.
 1115 costulata, Nilsson.
 1116 striata, Gredl.
 1117 minutissima, Hartm.

 (*Alæa*, Jeffreys.)
 1118 genesisi, Gredl.
 1119 arctica, Wallenb.
 1120 alpestris, Alder.
 1121 shuttleworthiana, Charp.
 1122 lilljeborgii, West.
 1123 moulinsiana, Dup.
 1124 pygmæa, Drap.
 1125 1 athesina, Gredl.
 1126 sieversi, Btg.
 1127 substriata, Jeff.
 1128 antivertigo, Drap.

 (*Vertigo*, Müller.)
 1129 pusilla, Müll.
 1130 angustior, Jeff.

Balea, Prudeaux.
 1131 perversa, Lin.

Clausilia, Draparnaud.
- (*Alopia*, Adams.)
- 1132 guicciardi, Roth.
 1133 livida, Menke.
 a. lactea, Bielz.
 1134 lischkeana, Parr.
 a. gracilior, Kim.
 b. livens, Rossm.
 1135 fussiana, Bielz.
 a. pruinosa, Charp.
 b. conjungens, Bielz.
 1136 menschendorferi, Bielz.
 1137 bielzi, Parr.
 1138 1 madensis, C. Fuss.
 2 clathrata, Friw.
 1139 glauca, Bielz.
 a. minor, West.
 b. striolata, Bielz.
 c. plicata, Bielz.
 1141 1 latens, Pfr.
 2 costata, Bielz.
 1143 glorifica, Rossm.
 1144 haueri, Bielz.
 1145 canescens, Parr.
 1146 1 glabriuscula, Rossm.

Clausilia, Draparnaud.—continued.

- (*Alopia*, Adams.)—continued.
- 1147 elegans, Bielz.
 a. cerasina, Rossm.
 b. diabolena, Kim.
 c. insignis, Bielz.
 1148 straminicollis, Parr.
 a. occidentalis, Bielz.
 1149 plumbea, Rossm.
 a. cornea, A. Schm.
 b. pallida, Bielz.
 1150 regalis, Bielz.
 1151 angustata, Bielz.
 1152 bogatensis, Bielz.

 (*Triloba*, Vest.)
 1153 sandri, Kstr.
 1154 macedonica, Rossm.

 (*Clausiliastra*, Mollend.)
 1155 transsylvanica, Bielz.
 1156 parreyssi, Zieg.
 1157 marginata, Zieg.
 1158 fimbriata, Mhlf.
 a. pallida, Rossm.
 1159 laminata, Mont.
 a. albina, Pfr.
 b. pellucida, Btg.
 1160 1 alpestris, Bielz.
 1161 2 dubiosa, Clessin.
 1162 3 targionii, De Step.
 1163 4 granatina, Zieg.
 1164 incisa, Kstr.
 1165 grossa, Zieg.
 1166 1 inæqualis, Zieg.
 2 melanostoma, A. Schm.
 1167 costata, Zieg.
 1168 1 intermedia, A. Schm.
 1169 curta, Rossm.
 1170 1 fusiformis, Kstr.
 1171 commutata, Rossm.
 a. annexa, Parr.
 1173 1 ungulata, Zieg.
 1174 2 silesiana, Btg.
 1175 3 fusca, De Betta.
 1176 4 cingulata, F. J. Schm.
 1177 5 granatina, F. J. Schm.
 1178 meissneriana, Shuttl.
 a. minor.
 1179 küsteri, Rossm.
 a. minor.
 1180 1 sancta, Paul.

Clausilia, Draparnaud.—continued.*(Clausiliastra, Mollend.)*—continued.

- 1181 porroi, Pfr.
 1182 comensis, Shuttl.
 1183 1 regnolii, De Step.
 1184 lucensis, Gentith.
 1185 orthostoma, Menke.
 1186 1 filiformis, Parr.
(Acrotoma, Bttg.)
 1187 semicincta, Bttg.
(Mentissa, Bttg.)
 1188 gracilicosta, Zieg.
 1189 1 acridula, Zieg.
 1190 detersa, Zieg.
(Euxina, Bttg.)
 1191 hetæra, Friw.
 1192 circumdata, Friw.
 1193 schwerzenbachi, Parr.
 1194 strumosa, Friw.
 1195 duboisi, Charp.
 1196 1 minor, A. Schm.
 1197 2 stomatica, West.
 1198 pleuroptychia, Bttg.
 1199 litotis, Parr.
 1200 1 suanetica, Bttg.
 1201 quadriplicata, Parr.
 1202 dipolauchen, Bttg.
 1203 pumiliiformis, Bttg.
 1204 lederi, Bttg.
 1205 1 gradata, Bttg.
 1206 aggesta, Bttg.
 1207 strauchi, Bttg.
 1208 hübneri, Rossm.
 1209 ossetica, A. Schm.
 1210 1 derasa, Parr.
 1211 somchetica, Pfr.
 1212 tschetschenica, Pfr.
 1213 corpulenta, Friw.
 1214 mæsta, Fér.
 1215 1 hierosolymitana, Bgt.
(Alinda, Adams.)
 1216 plicata, Drap.
 a. implicata, Bielz.
 b. pallida, Bielz.
 1217 1 rustica, Zieg.
 1218 2 macilenta, Rossm.
 1219 3 transsylvania, Mouss.
 1220 biplicata, Mont.
 a. abbreviata, Rossm.
 1221 1 crassilabris, Parr.

Clausilia, Draparnaud.—continued.*(Alinda, Adams.)*—continued.

- 1222 bohemica, Clessin.
(Idyla, Vest.)
 1223 thessalonica, Friw.
 1224 1 semidenticulata, Pfr.
 1225 2 crassilabris, Bttg.
 1226 spreta, Friw.
 1227 varnensis, Pfr.
 1228 pagana, Zieg.
 1229 1 bulgarica, Friw.
 1230 2 elongata, A. Schm.
 1231 rugicollis, Zieg.
 a. maxima.
 1232 1 carissima, Zieg.
 a. bella, Stentz.
 1233 oleata, Zieg.
 1234 1 serbiensis, Zeleb.
(Bitorquata, Bttg.)
 1235 torticollis, Oliv.
(Siciliaria, Vest.)
 1236 crassicostata, Ben.
 1237 leucophryne, Parr.
 1238 nobilis, Pfr.
 1239 grohmanniana, Partsch.
 1240 tiberiana, Ben.
 a. crassilabris, Bttg.
 1241 confinata, Ben.
 1242 septemplicata, Phil.
 1243 calcaræ, Phil.
 1244 1 adelinæ, Ben.
(Herilla, Ad.)
 1245 frauenfeldi, Zeleb.
 1246 dacica, Friw.
(Delima, Hartm.)
 1247 rugilabris, Mouss.
 1248 umbilicata, Bttg.
 1249 cattaroensis, Zieg.
 1250 kleciaki, West.
 1251 janinensis, Mouss.
 1252 gibbula, Zieg.
 1253 vulcanica, Ben.
 1254 lamellata, Zieg.
 1255 kobeltiana, Kstr.
 1256 sturmi, Kstr.
 1257 stigmatica, Zieg.
 1258 incerta, Ben.
 1259 maritima, Klec.
 1260 1 thiesseana, Bttg.
 1261 miles, Kstr.

Clausilia, Draparnaud.—continued.*(Delima, Hartm.)*—continued.

- 1262 pæstana, Phil.
 1263 piceata, Zieg.
 a. gracilior, Charp.
 1264 ornata, Zieg.
 1265 1 callosa, Zieg.
 1266 2 gracilis, Bttg.
 1267 itala, Mart.
 1268 1 punctata, Mich,
 2 veranyi, Bourg.
 1270 3 brauni, Charp.
 1271 4 rubiginea, A. Schm.
 1272 5 spreafici, Pini.
 1273 6 baldensis, Parr.
 1274 leucensis, Villa.
 1275 costulata, Jan.
 1276 conspersa, Parr.
 1277 balsamoi, Strob.
 1278 1 ampolæ, Gredl.
 1279 stentzi, Rossm.
 1280 cincta, Brum.
 1281 1 rossmæssleri, Pfr.
 1282 2 funki, Kstr.
 1283 3 letochana, Gredl.
 1284 subcylindrica, Zieg.
 1285 substricta, Parr.
 1286 crenulata, Zieg.
 1287 fulcrata, Zieg.
 1288 tichobates, Parr.
 1289 sirkii, Parr.
 1290 pellucida, Pfr.
 1291 lævissima, Zieg.
 1292 1 superstructa, A. Schm.
 1293 2 pachygastris, Partsch.
 a. bulla, Parr.
 1294 tristrami, Pfr.
 1295 polygyra, Bttg.
 1296 semilabiata, Kutsch.
 1297 cusmichi, Kstr.
 1298 tenella, Parr.
 1299 robusta, Kstr.
 a. minor.
 1300 1 curzolena, Zieg.
 1301 muralis, Kstr.
 1302 vidovichii, Parr.
 1303 semirugata, Zieg.
 a. minor, West.
 1304 1 nitida, Mhlfd.
 1305 2 pygmæa, Zieg.

Clausilia, Draparnaud.—continued.*(Delima, Hartm.)*—continued.

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- 3 pristis, Klec.
 4 fuscilabris, Klec.
 5 frigida, Klec.
 blaui, Möllend.
 vibex, Rossm.
 a. minor.
 b. tumida.
 I planata, Parr.
 albida, Parr.
 crassilabris, Kstr.
 I fasciolata, Parr.
 2 pharensis, Klec.
 3 callida, Parr.
 planilabris, Rossm.
 bilabiata, Wagn.
 alchingeri, Kstr.
 I magniventris, Kstr.
 callifera, Kstr.
 leucostoma, Kstr.
 conspurcata, Jan.
 I subcrenata, A. Schm.
 sebenicensis, Vid.
 diaphana, Kstr.
 pustulata, Kstr.
 helenæ, Klec.
 decipiens, Rossm.
 I dubia, Bttg.
 pachystoma, Kstr.
 a. minor.
 I grandis, A. Schm.
 albocincta, Pfr.
 latilabris, Wagn.
 I signana, Kütchs.
 divergens, Klec.
 pachychila, Zieg.
 a. minor, West.
 b. albina.
 gospiciensis, Zeleb.
 archilabris, Kütchs.
 I rosinæ, Klec.
 2 petrina, Parr.
 opaca, Kstr.
 blanda, Zieg.
 sororia, Parr.
 pfeifferi, Kstr.
 binodata, Rossm.
 I consentanea, Zieg.
 satula, Zieg.

Clausilia, Draparnaud.—continued.

(Delima, Hartm.)—continued.

- 1349 1 vexillaris, West.
 1350 2 narentana, Bttg.
 1351 gastrolepta, Zieg.
 1352 1 eugenia, West.
 1353 2 freyeri, Kstr.
 1354 biasolettiana, Charp.
 (Dilataria, Vest.)
 1355 succineata, Zieg.
 1356 marchesetti, Stoss.
 1357 diodon, Stud.
 1358 thomasiana, Charp.
 1359 alpina, Stab.
 (Medora, Vest.)
 1360 kutchigi, Kstr.
 1361 contracta, Rossm.
 1362 dalmatina, Partsch.
 a. minor, West.
 1363 1 epidaurica, Kutsch.
 1364 2 regina, Kutsch.
 1365 aquila, Parr.
 1366 leucopleura, Brus.
 1367 almissana, Kstr.
 a. minor, West.
 1368 graciliformis, Kutsch.
 1369 eris, A. Schm.
 1370 macarana, Zieg.
 1371 1 proxima, Hald.
 1372 stenostoma, Rossm.
 1373 carniolica, F. Schm.
 1374 brusinæ, Kutsch.
 1375 istriana, F. Schm.
 1376 punctulata, Kstr.
 1377 agnata, Partsch.
 1378 1 albescens, Menke.
 1379 2 intermedia.
 1380 3 minor, Zeleb.
 1381 lesinensis, Kutsch.
 1382 proxima, Waldff.
 (Agathylla, Vest.)
 1383 sulcosa, Wagn.
 1384 1 diminuta, Parr.
 1385 2 cataphracta, Parr.
 1386 3 irregularis, Zieg.
 1387 formosa, Zieg.
 1388 strigillata, Mühlf.
 1389 armata, Kutsch.
 1390 lamellosa, Wagn.
 1391 regularis, Parr.

Clausilia, Draparnaud.—continued.

(Agathylla, Vest.)—continued.

- 1392 1 waldendorffii, Parr.
 1393 goldi, Kutsch.
 1394 exarata, Zieg.
 a. minor, West.
 (Albinaria, Vest.)
 1395 anatolica, Roth.
 1396 byzantina, Parr.
 1397 1 intermedia, A. Schm.
 1398 2 solidula, Parr.
 1399 glabella, Pfr.
 1400 strigata, Pfr.
 1401 1 acuticosta, Bttg.
 1402 2 centralis, Bttg.
 1403 3 occlusa, Bttg.
 1404 4 occidentalis, Bttg.
 1405 virginea, Pfr.
 1406 subvirginea, Bttg.
 1407 1 farcimen, Bttg.
 1408 cretensis, Mühlf.
 1409 1 sphakiota, Maltz.
 1410 troglodytes, Parr.
 1411 1 vexans, Bttg.
 1412 2 interpres, Schm.
 1413 sublamellosa, Bttg.
 1414 1 obliterata, Bttg.
 1415 heteropteryx, Bttg.
 1416 tenuicostata, Pfr.
 1417 1 mitis, Bttg.
 1418 2 strictecostata, Bttg.
 1419 3 homalica, Bttg.
 1420 grabusana, Bttg.
 1421 1 humillima, Bttg.
 1422 amalthea, West.
 1423 1 similis, Bttg.
 1424 bipalatalis, Mart.
 1425 1 gracilior, Bttg.
 1426 candida, Pfr.
 1427 striata, Pfr.
 1428 arthuriana, Blanc.
 1429 hippolyti, Bttg.
 1430 xanthostoma, Bttg.
 1431 sericata, Pfr.
 1432 1 senex, Bttg.
 1433 2 albofilosa, Blanc.
 1434 profuga, Charp.
 1435 thiesseæ, Bttg.
 1436 lopedusæ, Calcaræ.
 1437 bigibbosa, Charp.

Clausilia, Draparnaud.—continued.

(Albinaria, Vest.)—continued.

- 1438 brevicollis, Pfr.
 1439 1 superba, Bttg.
 1440 2 chalcidensis, Bttg.
 1441 itylensis, Bttg.
 1442 anaphiensis, Bttg.
 1443 cærulea, Fer.
 1444 1 birugosa, Parr.
 1445 2 tinorensis, Parr.
 1446 3 naxia, Bttg.
 1447 4 nia, Bttg.
 1448 5 antiparia, Bttg.
 1449 6 myconia, Bttg.
 1450 amorgia, Bttg.
 1451 altecostata, Zeleb.
 1452 compressa, Pfr.
 1453 moreletiana, Blanc.
 a. minor.
 1454 corona, Letour.
 1455 corrugata, Drap.
 1456 1 homaloraphe, Bttg.
 1457 2 draparnaldi, Beck.
 1458 3 inflata, Oliv.
 a. gracilior.
 1459 spratti, Pfr.
 1460 venosa, Bttg.
 a. decollata, Bttg.
 1461 drakakisi, Maltz.
 1462 1 centralis, Bttg.
 1463 2 tenerima, Bttg.
 1464 lerosiensis, Fér.
 1465 1 latecostata, Bttg.
 1466 clara, Bttg.
 1467 1 paucicosta, Bttg.
 1468 præclara, Pfr.
 1469 vermiculata, Bttg.
 1470 1 megalostoma, Bttg.
 1471 teres, Oliv.
 1472 1 hierapterana, Bttg.
 1473 2 phalangea, Bttg.
 a. minor.
 1474 3 subcostata, Bttg.
 a. minor, Bttg.
 1475 extensa, P.
 1476 1 orientalis, Bttg.
 a. maxima, Bttg.
 1477 carpathia, Bttg.
 a. minor.
 1478 1 armasinia, Bttg.

Clausilia, Draparnaud.—continued.

(Albinaria, Vest.)—continued.

- 1479 2 famosa, Bttg.
 1480 olivieri, Roth.
 a. major.
 1481 turrita, Pfr.
 1482 distans, Pfr.
 1483 munda, Zieg.
 1484 1 coa, Bttg.
 1485 chia, Bttg.
 1486 1 endolichia, Bttg.
 1487 2 samia, Bttg.
 1488 3 submarginata, Bttg.
 1489 ungeri, Zeleb.
 1490 cristatella, Kstr.
 1491 maltzani, Bttg.
 1492 scopolosa, Parr.
 1493 glabricollis, Parr.
 1494 ionica, Parr.
 1495 conemonesi, Bttg.
 1496 1 marcrodera, Bttg.
 1497 hians, Bttg.
 1498 1 sublactea, Bttg.
 1499 descolor, Pfr.
 1500 1 inæquata, Blanc.
 1501 2 flammulata, Pfr.
 1502 grayana, Pfr.
 1503 goldfussi, Bttg.
 1504 messenica, Mart.
 1505 1 brenskii, Bttg.
 1506 grisea, Desh.
 1507 kruperi, Zeleb.
 1508 1 holostoma, Bttg.
 1509 dissipata, Bttg.
 1510 1 furcilla, West.
 1511 maculosa, Desh.
 1512 arcadica, Bttg.
 1513 schuchi, Voith.
 1514 1 oscari, Thiesse.
 1515 torifera, Bttg.
 1516 liebetruti, Charp.
 1517 incommoda, Bttg.
 1518 1 muraria, A. Schm.
 1519 contaminata, Zieg.
 1520 1 lactea, Zieg.
 1521 2 odysseus, Bttg.
 1522 3 obliqua, Menke.
 1523 nævosa, Fér.
 1524 castrensis, Parr.
 1525 coryicensis, Mouss.

Clausilia, Draparnaud.—continued.

(Albinaria, Vest.)—continued.

- 1526 epirotica, Mouss.
 1527 senilis, Zieg.
 1528 cinerascens, Kstr.
 1529 voithi, Rossm.
 1530 menelaos, Mart.
 1531 I semicostulata, Bttg.
 1532 agesilaos, Mart.
 1533 I agamemnon, Mouss.
 1534 eumeces, Bttg.
 1535 oertzeni, Bttg.
 1536 freytagi, Bttg.
 a. minor.

(Pseudalinda, Bttg.)

- 1537 fallax, Rossm.
 1538 stabilis, Zieg.
 1539 montana, Stenz.
 a. viridana, Rossm.
 1540 I jugularis, Bielz.
 1541 denticulata, Oliv.
 1542 I nicaria, Bttg.
 (Phædusa, Ad.)
 1543 perlucens, Bttg.
 (Uncinaria, Vest.)
 1544 turgida, Zieg.
 a. elongata, Rossm.
 1545 elata, Zieg.
 1546 gulo, Rossm.

(Strigillaria, Vest.)

- 1547 cana, Held.
 1548 I transylvanica, Bielz.
 1549 2 iostoma, A. Schm.
 1550 vetusta, Zieg.
 1551 I festiva, Kstr.
 1552 2 striolata, Parr.
 1553 splendens, Charp.

(Cristaria, Vest.)

- 1554 strangulata, Fér.
 1555 vesicalis, Friw.
 1556 colbeauxiana, Parr.
 1557 boissieri, Charp.
 1558 medlycotti, Tristram.
 1559 porrecta, Friw.
 1560 cylindrelliformis, Bourg.
 (Oligoptychia, Bttg.)

- 1561 gustavi, Bttg.
 1562 foveocollis, Parr.
 1563 vinosa, West.
 1564 bicristata, Rossm.

Clausilia, Draparnaud.—continued.

(Oligoptychia, Bttg.)—continued.

- 1565 I tetragonostoma, Pfr.
 1566 2 canaliculata, Pfr.
 a. major.
 1567 kephissiæ, Roth.
 1568 I pikermiana, Roth.
 1569 2 attica, A. Schm.
 1570 bourguignati, Charp.
 1571 castalia, Roth.
 (Papillifera, Bttg.)
 1572 syracusana, Phil.
 1573 oscitans, Fér.
 1574 mamotica, Gulia.
 1575 isabellina, Pfr.
 1576 osculans, Mart.
 1577 coarctata, Mouss.
 1578 I thiesseæ, Bttg.
 1579 blanci, Mart.
 1580 I thebana, Blanc.
 1581 venusta, A. Schm.
 1582 thermopylarum, Pfr.
 1583 josephinæ, Bttg.
 1584 leucorhaphe, Blanc.
 1585 rubicunda, Kstr.
 1586 saxicola, Parr.
 1587 I patula, Charp.
 1588 2 vespertina, West.
 1589 3 lunellaris, Pfr.
 1590 negropontina, Pfr.
 1591 I costulata, Thiesse.
 1592 confusa, Bttg.
 1593 bœotica, Kstr.
 1594 vallata, Mouss.
 1595 leucostigma, Zieg.
 1596 I candilabris, Porro.
 1597 2 opalina, Zieg.
 1598 candidescens, Zieg.
 1599 I cinerea, Phil.
 1600 solida, Drap.
 1601 bidens, Lin.
 1602 brevissima, Ben.
 1603 virgata, Jan.
 1604 I affinis, Phil.
 1605 2 lanceolata, Bourg.
 3 mamartina, Ben.
 (Gracillaria, Bielz.)
 1606 concilians, A. Schm.
 1607 I undulata, Strobel.
 1608 2 ettingeri, Zeleb.
 1609

Clausilia, Draparnaud.—continued.

(Gracillaria, Bielz.)—continued.

- 1610 corynodes, Held.
 1611 styriaca, A. Schm.
 1612 strobeli, Porro.
 1613 filograna, Zieg.
 (Laminifera, Bttg.)
 1614 pauli, Mab.
 (Fusulus, Vest.)
 1615 varians, Zieg.
 a. diaphana, Zieg.
 1616 interrupta, Zieg.
 a. albina, Kstr.
 (Erjavecchia, Brus.)
 1617 bergeri, Mayer.
 (Kuzmicia, Brus.)
 1618 exoptata, A. Schm.
 1619 villæ, Mühlf.
 1620 whateliana, Charp.
 1621 schmidti, Pfr.
 1622 I rablensis, Gall.
 1623 parvula, Stud.
 1624 delpretiana, Stef.
 1625 I pecciali, Stef.
 1626 dubia, Drap.
 a. major.
 1627 I speciosa, A. Schm.
 1628 2 grimeri, Pfr.
 1629 3 vindobonensis, A. Schm.
 1630 4 transsylvania, A. Schm.
 1631 5 gracilis, Pfr.
 1632 6 obsoleta, A. Schm.
 1633 7 gallica, Bgt.
 1634 tettelbachiana, Rossm.
 1635 grimmerii, Parr.
 1636 bidentata, Ström.
 1637 I septentrionalis, A. Schm.
 1638 2 amiatæ, Mart.
 1639 3 meridionalis, Fagot.
 1640 rugosa, Drap.
 1641 I redoubi, Drap.
 1642 2 pyrenaica, Charp.
 1643 3 crenulata, Risso.
 1644 subuliformis, Kstr.
 1645 I moniziana, Lowe.
 1646 cruciata, Stud.
 a. minima, A. Schm.
 1647 I gracilis, A. Schm.
 a. densestriata, West.
 1648 pumila, Zieg.

Clausilia, Draparnaud.—continued.

(Kuzmicia, Brus.)—continued.

- a. succosa, A. Schm.
 1649 sejuncta, West.
 1650 fagotiana, Bourg.
 1651 penchinati, Bourg.
 (Pirostoma, Vest.)
 1652 ventricosa, Drap.
 I latestriata, Brus.
 1654 rolphi, Leach.
 1655 tumida, Zieg.
 1656 lineolata, Held.
 1657 I tenuistriata, Pini.
 1658 2 basileensis, Fitz.
 a. modulata, Zieg.
 1659 asphaltina, Zieg.
 1660 carinthiaca, A. Schm.
 1661 mucida, Z.
 1662 I eggeriana, Frfid.
 1663 2 fontana, F. J. Schm.
 1664 badia, Zieg.
 1665 plicatula, Drap.
 1666 I superflua, Meg.
 1667 2 cruda, Zieg.
 1668 3 nana, Zieg.
 1669 latestriata, Bielz.
 1670 densestriata, Zieg.
 (Olympia, Vest.)
 1671 olympica, Friw.
 (Micropontica, Bttg.)
 1672 closta, Bttg.
 1673 circassia, Bttg.
 1674 retowskii, Bttg.
 (Serrulina, Mouss.)
 1675 sieversi, Pfr.
 1676 serrulata, Midd.
 1677 semilamellata, Mouss.
Fam. V.—Stenogyridae.
Stenogyra, Shuttleworth.
 1678 decollata, Lin.
 1679 I truncata, Zieg.
Cionella, Jeffreys.
 (Zua, Leach.)
 1680 lubrica, Müll.
 a. nitens, Kok.
 1681 I collina, Drouet.
 1682 2 exigua, Menke.
 1683 3 columnata, Clessin.
 1684 incerta, Ben.

Cionella, Jeffreys.—continued.

(Azeca, Leach.)

- 1685 tridens, Pult.
 1686 1 nouletiana, Dup.
 1687 2 alzenensis, St. Sim.
 1688 mabilliana, Fagot.
 (Hypnophila, Bourg.)
 1689 cylindracea, Calcara.
 1690 emiliana, Ben.
 1691 pupaeformis, Cantr.
 (Calaxis, Bourg.)
 1692 hierosolymarum, Roth.
 1693 moussoniana, Bourg.
 (Ferussacia, Riss.)
 1694 folliculus, Gronov.
 1695 vescoi, Bourg.
 a. lanceolata, Bourg.
 1696 gronoviana, Riss.
 1697 amblyta, Fér.
 1698 forbesi, Bourg.
 1699 procerula, Morel.
 1700 eremiphila, Bourg.
 1701 agræcia, Bourg.
 1702 lamellifera, Morel.
 1703 dactylophila, Iss.
 1704 charopia, Iss.
 1705 sciaphila, Bourg.
 1706 ennychia, Bourg.
 1707 terveri, Bourg.
 1708 gracilenta, Morel.
 (Coelestele, Benson.)
 1709 raphidia, Bourg.
 (Hohenwarthia, Bourg.)
 1710 hohenwarthi, Rossm.
 1711 bourguignatiana, Ben.
 1712 thamnophila, Bourg.
 1713 moitessieri, Bourg.
 1714 actoniana, Ben.
 1715 gemellariana, Ben.
 1716 tiberiana, Ben.
 1717 biondina, Ben.
 1718 rizzeana, Ben.
 1719 maltzani, Clessin.
 1720 eucharista, Bourg.
 1721 aradasiana, Ben.
 1722 walteri, Bttg.
 (Cæcilianella, Bourg.)
 1723 acicula, Müll.
 1724 1 liesvillei, Bourg.
 1725 jani, De Betta.

Cionella, Jeffreys.—continued.

(Cæcilianella, Bourg.)—continued.

- 1726 petitiana, Ben.
 1727 1 cretica, Bourg.
 1728 brondeli, Bourg.
 1729 letourneuxi, Bourg.
 1730 pouillieri, Bourg.
 1731 tumulorum, Bourg.
 1732 nanodea, Bourg.
 Fam. VI.—Succineidæ.
Succinea, Draparnaud.
 1733 putris, Lin.
 1734 1 olivula, Baudon.
 1735 2 limnoidea, Pic.
 1736 3 clessiniana, Hazay.
 1737 4 angusta, Hazay.
 1738 5 extensa, Baudon.
 1739 6 charpentieri, Dum. and Mort.
 1740 7 subglobosa, Pascal.
 1741 8 fontana, Hazay.
 9 acuta, Hazay.
 1742 parvula, Pascal.
 1743 baudoni, Drouët.
 1744 1 acrambleia, Mabille.
 1745 hungarica, Hazay.
 1746 megalonyxia, Bourg.
 1747 elegans, Riss.
 1748 1 piniana, Hazay.
 1749 2 pleuralauca, Letour.
 1750 3 levantina, Desh.
 1751 4 longiscata, Morel.
 1752 lenta, West.
 1753 debilis, Morel.
 1754 pfeifferi, Rossm.
 1 recta, Baudon.
 1755 2 propinqua, Baudon.
 1756 3 ochracea, De Betta.
 1757 4 mediolanensis, Villa.
 1758 5 baudoniana, Hazay.
 1759 6 contortula, Baudon.
 1760 oblonga, Drap.
 1 agonostoma, Küster.
 1761 2 grøenlandica, Beck.
 1762 humilis, Drouët.
 1763 arenaria, Bouch.
 1764 valcourtiana, Bourg.
 1765 fagotiana, Bourg.

*Sub-Order II.—Gehydrophila.**Fam. Auriculidae.**Carychium, Müller.*

- 1769 minimum, Müll.
 1770 . tridentatum, Risso.
 1771 striolatum, Bourg.
 1772 lederi, Btg.
Zospeum, Bourguignat.
 1773 spelæum, Rossm.
 1774 lautum, Frfld.
 1775 1 pulchellum, Freyer.
 1776 reticulatum, Hauffen.
 1777 obesum, F. Schm.
 1778 frauendorfii, Freyer.
 1779 alpestre, Freyer.
 1779* costatum, Freyer.

*Sub-Order III.—Hygrophila.**Fam. I.—Limnæidae.**Amphipeplea, Nilsson.*

- 1780 glutinosa, Müll.

Limnæa, Lamarck.

- 1781 stagnalis, Lin.
 1782 1 variegata, Hazay.
 1783 2 colpodia, Bourg.
 1784 3 armeniaca, West.
 1785 4 lacustris, Studer.
 1786 5 fragilis, Lin.
 monst. sinistrorsa.
 1787 auricularia, Lin.
 1788 1 hartmanni, Charp.
 1789 ampla, Hartmann.
 1790 mucronata, Held.
 1791 1 rosea, Gallenst.
 1792 martorelli, Bourg.
 1793 lagotis, Schm.
 1794 1 acutalis, Morel.
 1795 2 tenera, Kustr.
 1796 3 sandrii, Kustr.
 1797 ovata, Drap.
 1798 1 piniana, Hazay.
 1799 2 fluminensis, Clessin.
 1800 3 membranacea, Porro.
 1801 4 intermedia, Fér.
 1802 5 microcephala, Kustr.

Limnæa, Lamarck. —continued.

- 1803 6 glacialis, Boubée.
 1804 7 balthica, Lin.
 1805 burnetti, Alder.
 1806 involuta, Harvey.
 1807 peregra, Müll.
 1808 1 elongatissima, Gredl.
 1809 2 marginata, Mich.
 1810 3 croatica, Zieg.
 1811 4 rimata, Braun.
 1812 5 decollata, Zieg.
 1813 6 solidula, Hartm.
 1814 7 nitida, Zieg.
 1815 8 æthiopica, De Betta.
 1816 9 gibilmannica, Da Costa.
 1817 10 thermalis, Boubée.
 1818 11 curta, Clessin.
 1819 12 frisia, Friedler.
 1820 13 nivalis, Pini.
 1821 14 callosa, Zieg.
 1822 15 tenera, Parr.
 1823 16 oxyana, Btg.
 1824 17 lacustris, Leach.
 1825 18 acuminata, Jeff.
 1826 19 intermedia, Ferr.
 1827 20 labiosa, Jeff.
 1828 21 picta, Jeff.
 1829 22 succineæformis, Jeff.
 monst. sinistrorsa.
 1830 palustris, Müll.
 1831 1 fusca, C. Pfr.
 1832 2 clessiniana, Hazay.
 1833 3 corvus, Gmel.
 1834 4 elongata, Jeff.
 1835 5 tincta, Jeff.
 1836 6 conica, Jeff.
 1837 turricola, Held.
 1838 taurica, Clessin.
 1839 parvula, Hazay.
 1840 glabra, Müll.
 1841 1 elongata, Jeff.
 1842 vahlii, Beck and Moll.
 1843 holbælli, Beck and Moll.
 1844 truncatula, Müll.
 1845 1 schneideri, B. Esm.
 1846 2 thiesseæ, Clessin.

Choanomphalus, Gerstfeld.

- 1847 maachi, Gerst.
 1848 schrenki, Dyb.

Planorbis, Guettard.

- 1849 *corneus*, Lin.
 a. albus.
 b. minor.
 1850 *elophilus*, Bourg.
 1851 *i banaticus*, Lang.
 1852 *2 ammonoceras*, West.
 1853 *metidjensis*, Forbes.
 1854 *i dufouri*, Graëlls.
 1855 *umbilicatus*, Müll.
 a. major, Br.
 b. submarginatus, Jan.
 c. albida, Jeff.
 1856 *i subangulatus*, Phil.
 1857 *2 rhombea*, Turton.
 monst. *turriculata*.
 1858 *atticus*, Bourg.
 1859 *carinatus*, Müll.
 1860 *i dubius*, Hartm.
 1861 *vortex*, Lin.
 1862 *i discus*, Parr.
 1863 *vorticulus*, Troschel.
 1864 *charteus*, Held.
 1865 *i pauluccianus*, Caroti.
 1866 *spirorbis*, Lin.
 1867 *i hazayanus*, Clessin.
 1868 *leucostoma*, Mell.
 a. septemgyratus, Dup.
 1869 *contortus*, Lin.
 a. labiatus, West.
 1870 *dispar*, West.
 1871 *albus*, Müll.
 1872 *agraulus*, Bourg.
 1873 *piscinarum*, Bourg.
 1874 *polaris*, West.
 1875 *borealis*, Lovén.
 1876 *rossmæssleri*, Auersw.
 1877 *glaber*, Jeff.
 1878 *tetragyrus*, West.
 1879 *limophilus*, West.
 1880 *lemniscatus*, Hartm.
 1881 *concinnus*, West.
 1882 *deformis*, Hartm.
 1883 *i cavatus*, West.
 1884 *crista*, Lin.
 1885 *nautileus*, Lin.
 1886 *complanatus*, Lin.
 1887 *riparius*, West.
 1888 *nitidus*, Müll.
 1889 *i clessini*, West.

Ancylus, Geoffroy.

- 1890 *gibbosus*, Bourg.
 1891 *fluvialis*, Müll.
 1892 *i simplex*, Bourg.
 1893 *2 gibbosus*, Bourg.
 1894 *3 albidus*, Jeff.
 1895 *capuloides*, Jan.
 1896 *orbicularis*, Held.
 1897 *costulatus*, Küst.
 1898 *i costatus*, Fér.
 1899 *2 strigatus*, Parr.
 1900 *pileolus*, Fér.
 1901 *lacustris*, Lin.

*Fam. II.—Physidae.***Physa, Draparnaud.**

- 1902 *fontinalis*, Lin.
 a. albina, Jeff.
 1903 *acuta*, Drap.
 a. brevispirata, Paul.
 b. castanea, M. Tand.
 1904 *i fusca*, Rossm.
 1905 *2 subopaca*, Lamk.
 1906 *hypnorum*, Lin.
 1907 *contorta*, Mich.

Order II.—Prosobranchiata.*Sub-Order I.—Pectinibranchiata.**TÆNIOGLOSSA.**Fam. I.—Acmidæ.***Acme, Hartmann.**

- 1908 *polita*, Hartm.
 1909 *cryptomena*, Folin.
 1910 *foliniana*, G. Nevill.
 1911 *gracilis*, Clessin.
 1912 *lineata*, Drap.
 1913 *moussonii*, Bttg.
 1914 *spectabilis*, Rossm.
 1914* *stussineri*, Bttg.

*Fam. II.—Cyclophoridae.***Cyclotus, Guilding.**

- 1915 *sieversi*, Pfr.

Pomatias, Studen.

- 1916 *lederi*, Bttg.
 1917 *scalarinus*, Villa.

Pomatias, Studer.—continued.

1918	villæ, Stoss.
1919	hirci, Stoss.
1920	elegans, Clessin.
1921	cinerascens, Rossm.
1922	striolatus, Porro.
1923	apricus, Mousson.
1924	canestrini, Adami.
1925	hispanicus, Bourg.
1926	nouleti, Dup.
1927	arriacus, St. Sim.
1928	berillonii, Fagot.
1929	letourneuxi, Bourg.
1930	obscurus, Drap.
1931	crassilabris, Dup.
1932	fagoti, Bourg.
1933	spelæus, Fagot.
1934	hidalgoi, Crosse.
1935	partioti, M. Tand.
1936	lapurdensis, Fagot.
1937	paladilhianus, St. Simon.
1938	septemspiralis, Raz.
1939	<i>1</i> heydenianus, Clessin.
1940	auritus, Zieg.
	<i>a.</i> major.
1941	tesselatus, Wiegm.
1942	hellenicus, Bourg.
1943	dionysi, Paul.
1944	maresi, Letour.
1945	gracilis, Küst.
1946	martensianus, Mlldff.
1947	croaticus, Zeleb.
1948	patulus, Drap.
1948*	tergestinus, West.
1949	macei, Bourg.
1950	villæ, Spin.
1951	gredleri, West.
1952	pinianus, Bourg.
1953	agriotes, West.
1954	elongatus, Paul.
1955	elegantissimus, Paul.
1956	<i>1</i> turriculus, Paul.
1957	eupleurus, Bourg.
1958	nanus, West.
1959	clessini, Stoss.
1960	protractus, Zieg.
1961	philippianus, Gredl.
1962	porroi, Strob.
1963	henricæ, Strob.
1964	plumbeus, West.

Fam. III.—Cyclostomatidæ.**Cyclostoma, Draparnaud.**

1965	olivieri, Sow.
1966	costulatum, Zieg.
1967	<i>1</i> hyrcanum, Mart.
1968	glauicum, Sow.
1969	elegans, Müll.
1970	sulcatum, Drap.
1971	<i>1</i> reticulatum, Zieg.
1972	<i>2</i> multisulcatum, Pot. and Mich.
1973	melitense, Sow.
1974	ferrugineum, Lamk.
1975	mamillare, Lamk.

Fam. IV.—Paludinidæ.**Paludina, Lamarck.**

1976	concreta, Mill.
	<i>a.</i> inflata, Villa.
1977	<i>1</i> crystallina, Gray.
1978	mamillata, Kstr.
1979	hungarica, Hazay.
1980	pyramidalis, Christ. and Jan.
1981	vivipara, Lin.
1982	atra, Christ. and Jan.
1983	duboisiana, Mouss.
1984	<i>1</i> okaensis, Clessin.
1985	hellenica, Clessin.

Cleopatra, Troschel.

1986	bulimoides, Olivi.
	<i>a.</i> trifasciata, Parr.

Fam. V.—Hydrobiidæ.**Bythinia, Leach.**

1987	tentaculata, Lin.
1988	<i>1</i> ventricosa, Menke.
1989	<i>2</i> excavata, Jeffr.
1990	<i>3</i> bottnica, Anders.
1991	<i>4</i> thermalis, Hazay.
1992	proxima, Frfld.
1993	leachi, Shepp.
1994	troscheli, Paasch.
1995	<i>1</i> græca, West.
1996	celtica, Bourg.
1997	boissieri, Charp.
1998	<i>1</i> segestana, Ben.
1999	majewskyi, Parr.
2000	orsini, Charp.
2001	rubens, Mouss.
2002	badiella, Parr.

Paludinella, C. Pfeiffer.*(Paladilia, Bourg.)*

- 2003 conica, Palad.
 2004 robiciana, Clessin.
(Hydrobia, Hartm.)
 2005 kutschigi, Kust.
 2006 gagatinella, Parr.
 2007 achaja, Clessin.
 2008 thiesseæ, Clessin.
 2009 gracilis, Morel.
 2010 consociella, Frfld.
 2011 longiscata, Bourg.
 2012 aponensis, Mart.

(Bythiospeum, Bourg.)

- 2013 pellucida, Benz.
 2014 clessini, Weinl.
 2015 turrita, Clessin.
 2016 gracilis, Clessin.
(Belgrandia, Bourg.)
 2017 gibba, Drap.
 2018 delpretiana, Paul.
 2019 lusitanica, Palad.
 2020 thermalis, Lin.
 2021 gibberula, Palad.
 2022 bourguinati, St. Sim.

(Bythinella, Moq. Tand.)

- 2023 bicarinata, Des Moul.
 2024 vitrea, Drap.
 2025 guranensis, Palad.
 2026 ferussina, Des Moul.
 2027 abbreviata, Mich.
 2028 reyniesi, Dup.
 2029 canaliculata, Palad.
 2030 cylindrica, Parr.
 2031 austriaca, Frfld.
 2032 charpentieri, Roth.
 2033 dunkeri, Frfld.
 2034 opaca, Zieg.
 2035 etrusca, Palad.
 2036 hungarica, Hazay.
 2037 brevis, Drap.
 2038 saxatilis, Reyn.
 2039 elliptica, Palad.
 2040 lacheineri, Charp.
 2041 1 fontinalis, Kok.
 2 alpestris, Villa.
 2043 minutissima, J. F. Schm.
 2044 parreyssi, Pfr.
 2045 nana, Terv.
 2046 elachista, Bourg.

Paludinella, C. Pfeiffer.—continued.*(Bythinella, Moq. Tand.)—continued.*

- 2047 welebitana, Clessin.
 2048 eurystoma, Palad.
 2049 servainiana, Bourg.
 2050 armoricana, Palad.
 2051 schmidti, Charp.
 a. prasina, J. F. Schm.
 b. psittacina, J. F. Schm.
 1 bavarica, Clessin.
 2 cyclolabris, Rossm.
 2054 tornensis, Hazay.
 2055 heynemanniana, Hazay.
 2056 viridis, Poir.
 2057 utriculus, Palad.
(Pseudannicola, Paul.)
 2058 anatina, Drap.
 2059 similis, Drap.
 2060 lanceolata, Palad.
 2061 bonelliana, De Stef.
 2062 prætutiorum, Palad.
 2063 lucensis, Stab.
 2064 salinesii, Phil.
 2065 vestita, Ben.
 2066 moussonii, Calc.
 2067 raddei, Bttg.
 2068 conovula, Parr.
 2069 macrostoma, Kstr.
 2070 seminulum, Parr.
 2071 tritonum, Bourg.
 2072 marginata, West.
 2073 stossichi, Clessin.
 2074 negropontina, Clessin.
 2075 pannonica, Frfld.
 2076 dupotetiana, Forbes.

Lithoglyphus, Mühlenfeldt.

- 2077 naticoides, Fér.
 2078 1 apertus, Kstr.
 2079 fluminensis, Sadler.
 2080 prasinus, Kok.
 2081 pygmæus, Frfld.
 2082 carinatus, Kok.
 2083 pannonicus, Frfld.
 2083* fucus, Zieg.
 2083† affinis, Frfld.

Pyrgula, Cristofori and Jan.

- 2084 annulata, Lin.
 2085 thiesseana, Godet.

Emmericia, Brusina.

- 2086 patula, Brum.
 a. detrita.
 2087 klecachi, Bourg.
 2088 ventricosa, Kutsch.
 2089 narentina, Klecak.
 2090 expansilabris, Mhlf.

Fam. VI.—Melaniidæ.**Melania, Lamarck.**

- 2091 tuberculata, Müll.
 2092 1 fasciolata, Oliv.
 2093 2 rubropunctata, Tristram.
 2094 holandri, Fér.
 2095 1 elegans, Schm.
 2096 2 coronata, Kstr.
 2097 3 afra, Zieg.
 2097* 4 lævigata, Rossm.
 2098 5 agnata, Zieg.
 2099 parvula, Schm.

Melanopsis, Férußac.

- 2100 acicularis, Fér.
 2101 1 cornea, Fér.
 2102 esperi, Fér.
 2102* 1 pilariana, Bourg.
 2103 audebardi, Prevost.
 2104 præmorsa, Lin.
 2105 buccinoidea, Oliv.
 2106 1 eremita, Tristram.
 2107 2 ammonis, Tristram.
 2108 3 variabilis, Phil.
 2109 4 ferussaci, Roth.
 2110 5 maroccana, Chem.
 2111 6 mingrelica, Bayer.
 2112 costata, Oliv.
 2113 1 kindermannii, Frfid.
 2114 saulcyi, Bourg.
 2115 mauritanica, Bourg.
 2116 parreyssi, Mühlf.
 2117 nodosa, Fér.
 2118 1 jordanica, Roth.
 2119 lævigata, Lamk.
 2120 dufouri, Fér.
 2121 graellsii, Villa.
 2122 lorcanæ, Guirao.
 2123 1 etrusca, Villa.
 2124 cariosa, Lin.
 2125 1 costellata, Fér.
 2126 insignis, Parr.

Fam. VII.—Valvatidæ.**Valvata, Müller.**

- 2127 antiqua, Sow.
 2128 piscinalis, Müll.
 2129 tolosana, St. Sim.
 2130 fluvialis, Colbeau.
 2131 alpestris, Blauner.
 2132 saulcyi, Bourg.
 2133 minuta, Drap.
 2134 baicalensis, Gerstf.
 2135 macrostoma, Steenb.
 2136 cristata, Müll.

Sub-Order II.—Scutibranchiata.**RHIPIDOGLOSSA.****Fam. I.—Hydrocenidæ.****Hydrocena, Parreyss.**

- 2137 cattaroensis, Pfr.

Fam. II.—Neritidæ.**Neritina, Lamarck.**

- 2138 nilotica, Reeve.
 2139 jordani, Sow.
 2140 1 interposita, Mouss.
 2141 anatolica, Recl.
 a. bellardii, Mouss.
 2142 macrīi, Recl.
 a. michonii, Bourg.
 2143 danubialis, Mhlf.
 1 strangulata, Mhlf.
 2144 2 carinata, Kok.
 2145 3 serratilinea, Zieg.
 2146 4 chrysostoma, Kutsch.
 2147 fluvialis, Lin.
 2148 1 halophila, Klett.
 2149 2 littoralis, Lin.
 2150 3 thermalis, Boubée.
 2151 4 subthermalis, Bourg.
 2152 5 zebrina, Recl.
 a. pyrenaica, M. Tand.
 2153 6 rhodocolpus, Jan.
 a. trifasciata, Menke.
 b. tincensis, Villa.
 c. intexta, Villa.
 2154 7 pustulata, Parr.
 2155 8 penchinati, Aler.
 2156 9 salonitina, Lin.
 2157 10 dalmatica, Partsch.
 2158

Neritina, Lamarck.—continued.

- a. expansa*, Wald.
- b. fusca*, Wald.
- 2159 *transversalis*, Zieg.
- 2160 *i castanea*, Zel.
- 2161 *liturata*, Eichw.
- 2162 *varia*, Zieg.
- 2163 *meridionalis*, Phil.
 - a. nigrocærulea*, Parr.
- 2164 *prevostiana*, Partsch.
- 2165 *bætica*, Lamk.
- 2166 *sardoa*, Menke.
- 2167 *peloponnesia*, Recl.
- 2168 *numidica*, Recl.
- 2169 *elongatula*, Morel.
- 2170 *i violacea*, Morel.
- 2171 *z inquinata*, Morel.
- 2172 *guadianensis*, Morel.
- 2173 *i velascoi*, Graells.
- 2174 *z valentina*, Graells.

Class II.—PELECYPODA.**Order I.—Tetrabranchia.***Sub-Order I.—Mytilacea.**Fam. Mytilidæ.***Dreissena, Van Beneden.**

- 2175 *polymorpha*, Pallas.
- 2176 *cochleata*, Kickx.

*Sub-Order II.—Submytilacea.**Fam. Unionidæ.***Unio, Retzius.**

- 2177 *littoralis*, Lamk.
 - a. crassicostatus*.
 - b. rugosus*.
- 2178 *elongatus*, Dup.
- 2179 *umbonatus*, Rossm.
- 2180 *minor*, Rossm.
- 2181 *pianensis*, Farines.
- 2182 *maccarthyanus*, Bourg.
- 2183 *acarnanicus*, Kob.
- 2184 *crassus*, Retz.

Unio, Retzius.—continued.

- 2185 *ater*, Nills.
- 2186 *i intermedius*, Rossm.
- 2187 *z consentaneus*, Zieg.
- 2188 *reniformis*, Schm.
- 2189 *batavus*, Nills.
- 2190 *i riparius*, C. Pfr.
- 2191 *z rivularis*, Rossm.
- 2192 *3 amnicus*, Zieg.
- 2193 *4 nanus*, Lamk.
- 2194 *5 carinthiacus*, Zieg.
- 2195 *6 piscinalis*, Zieg.
- 2196 *7 parvidens*.
- 2197 *8 pusillus*, Rossm.
- 2198 *9 gangrenosus*, Zieg.
- 2199 *decurvatus*, Rossm.
- 2200 *i atrovirens*, Schm.
- 2201 *subtilis*, Drouet.
- 2202 *durieui*, Desh.
- 2203 *mingrelicus*, Drouet.
- 2204 *sieversi*, Drouet.
- 2205 *ægyptiacus*, Call.
- 2206 *byzantinus*, Parr.
- 2207 *vescoi*, Bourg.
- 2208 *desectus*, Drouet.
- 2209 *vicarius*, West.
- 2210 *moquinianus*, Dup.
- 2211 *capigliolo*, Parr.
- 2212 *i bandinii*, Kstr.
- 2213 *sandrii*, Villa.
- 2214 *i sericatus*, Rossm.
- 2215 *z truncatulus*, Drouet.
- 2216 *elongatus*, Mühlf.
- 2217 *i ceratinus*, Drouet.
- 2218 *z dalmaticus*, Drouet.
- 2219 *pictorum*, Lin.
- 2220 *limosus*, Nills.
- 2221 *ponderosus*, Spitz.
- 2222 *longirostris*, Zieg.
- 2223 *graniger*, Zieg.
- 2224 *platyrhynchus*, Rossm.
- 2225 *rostratus*, Mich.
- 2226 *requienii*, Mich.
- 2227 *rousii*, Dup.
- 2228 *aleroni*, Comp.
- 2229 *ardusianus*, Reyn.
- 2230 *robustus*, Villa.
- 2231 *spinelli*, Villa.
- 2232 *lawleyanus*, Gentil.
- 2233 *aradæ*, Phil.

Unio, Retzius.—continued.

- 2234 *gargottæ*, Phil.
- 2235 *turtoni*, Payr.
- 2236 *valentinus*, Rossm.
- 2237 *moreleti*, Desh.
- 2238 *mucidus*, Morel.
- 2239 *dactylus*, Morel.
- 2240 *pallens*, Parr.
- 2241 *tumidus*, Retz.
- 2242 1 *mülleri*, Rossm.
- 2243 2 *zelebori*, Parr.
- 2244 3 *decurvatus*.
- 2245 4 *corrosus*.
- 2246 *terminalis*, Bourg.
- 2247 1 *tristrami*, Loc.

Margaritana, Schumacher.

- 2248 *margaritifera*, Retz.
- 2249 1 *tristis*, Morel.
- 2250 *bonellii*, Fér.
- 2251 1 *variabilis*.

Mutela, Scopoli.

- 2252 *nilotica*, Fér.

Anodonta, Cuvier.

- 2253 *cygnea*, Lin.
- 2254 1 *intermedia*, C. Pfr.
- 2255 *cellensis*, Gmel.
- 2256 1 *ponderosa*, Kob.
- 2257 *rostrata*, Kok.
- 2258 *piscinalis*, Nilss.
- 2259 1 *ponderosa*, C. Pfr.
- 2260 2 *anatina*, Lin.
- 2261 *cyrea*, Drouet.
- 2262 *truncata*, Kutsch.
- 2263 *melinia*, Bourg.
- 2264 *leprosa*, Parr.
- 2265 *exulcerata*, Villa.
- 2266 *gravida*, Drouet.
- 2267 *complanata*, Zieg.
- 2268 1 *coarctata*, Pot. and Mich.

Sub-Order.—Conchacea.

Fam.—Cyrenidæ.

Sphærium, Scopoli.

- 2269 *rivicola*, Leach.
- 2270 *solidum*, Nord.
- 2271 *corneum*, Lin.
- 2272 *nucleus*, Stud.
- 2273 *scaldianum*, Nord.
- 2274 *pisoides*, Gray.
- 2275 *draparnaldi*, Clessin.
- 2276 *pallidum*, Gray.
- 2277 *lacustre*, Müll.
- 2278 *steinii*, A. Schm.
- 2279 *ryckholti*, Nord.
- 2280 *creplini*, Dunker.

Pisidium, C. Pfeiffer.

- 2281 *amnicum*, Müll.
- 2282 1 *elongatum*, Baud.
- 2283 *supinum*, A. Schm.
- 2284 *henslowianum*, Shepp.
- 2285 *milium*, Held.
- 2286 1 *normandianum*, Dup.
- 2287 *pulchellum*, Jenyns.
- 2288 *globulare*, Clessin.
- 2289 *obtusale*, C. Pfr.
- 2290 1 *personatum*, Malm.
- 2291 *intermedium*, Gass.
- 2292 *nitidum*, Jenyns.
- 2293 *rivulare*, Clessin.
- 2294 *fossarinum*, Clessin.
- 2295 1 *acuminatum*, West.
- 2296 *heldreichii*, Clessin.
- 2297 *casertanum*, Poli.
- 2298 *italicum*, Clessin.
- 2299 *roseum*, Scholz.
- 2300 *lenticulare*, Nord.

Corbicula, Mühlfeldt.

- 2301 *fluminalis*, Müll.
- 2302 1 *fluviatilis*, Clessin.
- 2303 2 *crassula*, Mouss.
- 2304 3 *oxiana*, Bttg.

MOLLUSA OF THE MADEIRAN PROVINCE.

Class I.—GASTROPODA.

Order I.—Pulmonata.

Sub-Order I.—*Geophila*.

Fam. I.—*Testacellidæ*.

Testacella, Cuvier.

(1) maugei, Fér.

Fam. II.—*Limacidæ*.

Vitrina, Draparnaud.

- 2305 ruivensis, Couth.
2306 marcida, Gould.
2307 lamarckii, Fér.
2308 nitida, Gould.

Hyalina, Gray.

- (*Radiohus*, Woll.)
2309 volutella, Pfr.
2310 miguelina, Pfr.
(*Lucilla*, Lowe.)
(104) cellaria, Müll.
(*Crystallus*, Lowe.)
(62) crystallina, Müll.
(*Helicella*, Beck.)
2311 atlantica, Morel.

Fam. III.—*Helicidæ*.

Patula, Held.

- (*Iulus*, Woll.)
2312 deflorata, Lowe.
(*Janulus*, Lowe.)
2313 bifrons, Lowe.
2314 stephanophora, Desh.
(*Patula*, Lowe.)
2315 gueriniiana, Lowe.
(207) rotundata, Müll.
(*Pyramidula*, Fitz.)
(203) pygmæa, Drap.
(*Acanthinula*, Beck.)
2316 pusilla, Lowe.

Helix, Linné.

- (*Vallonia*, Riss.)
(220) pulchella, Müll.
(*Campylaea*, Beck.)
2317 lowei, Fér.
2318 portosanctana, Sow.
(*Cryptaxis*, Lowe.)
2319 leonina, Lowe.
2320 undata, Lowe.
(*Katostoma*, Lowe.)
2321 psammophora, Lowe (*foss.*).
2322 phlebophora, Lowe.
2323 i nivosa, Sow.
(*Iberus*, Montf.)
2324 wollastoni, Lowe.
(*Mitra*, Alb.)
2325 webbiana, Lowe.
2326 cuticula, Shutt.
2327 chrysomela, Pfr. (*foss.*)
2328 membranacea, Lowe.
2329 furva, Lowe.
2330 bollei, Alb.
2331 leptostyla, Lowe.
2332 erubescens, Lowe.
2333 i hyæna, Lowe.
2334 advena, W. and B.
2335 serta, Alb.
(*Pomatia*, Beck.)
2336 subplicata, Sow.
(*Hemicycla*, Sow.)
2337 sarcostoma, W. and B.
2338 pouchet, Fér.
2339 modesta, Fér.
2340 plicaria, Lamk.
2341 consobrina, Fér.
(*Helicomela*, Lowe.)
2342 bowdichiana, Sow. (*foss.*)
2343 punctulata, Sow.
(*Euparypha*, Hartm.)
(470) pisana, Müll.
2344 i macandrewii, Pfr.
2345 2 ustulata, Lowe.
2346 3 grasseti, Tarn.
2346* 4 geminata, Mouss.
(*Xerophila*, Held.)
2347 armillata, Lowe.

Helix, Linné.—continued.

- (*Plebecula, Lowe.*)
- 2348 vulgata, Lowe.
2349 1 giramica, Lowe.
2350 nitidiuscula, Sow.
- (*Irus, Lowe.*)
- 2351 laciniosa, Lowe.
2352 depauperata, Lowe.
2353 squalida, Lowe.
- (*Spirorbula, Lowe.*)
- 2354 obtecta, Lowe.
2355 latens, Lowe.
2356 paupercula, Lowe.
- (*Placentula, Lowe.*)
- 2357 compar, Lowe.
2358 maderensis, Wood.
2359 spirorbis, Lowe.
2360 leptosticha, Lowe.
2361 dealbata, Lowe.
2362 fictilis, Lowe.
- (*Actinella, Lowe.*)
- 2363 lentiginosa, Lowe.
2364 stellaris, Lowe.
2365 arcta, Lowe.
- (*Rimula, Lowe.*)
- 2366 arcinella, Lowe (*foss.*).
2367 arridens, Lowe.
2368 capsella, Lowe.
2369 fausta, Lowe.
2370 obserata, Lowe.
- (*Hespidella, Lowe.*)
- 2371 armitageana, Lowe.
- (*Gonostoma, Lowe.*)
- 2372 actinophora, Lowe.
2373 hispidula, Lamk.
2374 1 bertheloti, Fér.
2375 afficta, Fér.
- (*Caracollina, Beck.*)
- (234) lenticula, Fér.
- (*Callina, Lowe.*)
- 2376 rotula, Lowe.
- (*Caseolus, Lowe.*)
- 2377 consors, Lowe.
2378 calculus, Lowe.
2379 compacta, Lowe.
2380 commixta, Lowe.
2381 abjecta, Lowe.
2382 sphærula, Lowe.

Helix, Linné.—continued.

- (*Turricola, Beck.*)
- 2383 cyclodon, W. and B.
2384 despreauxii, D'Orb.
- (*Hystricella, Lowe.*)
- 2385 echinulata, Lowe.
2386 bicarinata, Sow.
2387 vermetiformis, Lowe (*foss.*).
2388 turricula, Lowe.
2389 oxytropis, Lowe.
- (*Turritella, Woll.*)
- 2390 cheiranthicola, Lowe.
2391 1 mustelina, Lowe.
- (*Discula, Lowe.*)
- 2392 tetrica, Paiva.
2393 polymorpha, Lowe.
2394 1 salebrosa, Lowe.
2395 2 lincta, Lowe.
2396 3 pulvinata, Lowe.
2397 4 papilio, Lowe.
2398 5 discina, Lowe.
2399 6 gomesiana, Paiva.
2400 7 attrita, Lowe.
2401 tabellata, Lowe.
2402 argonautula, Lowe.
2403 testudinalis, Lowe.
- (*Tectula, Lowe.*)
- 2404 lyelliana, Lowe.
2405 albersii, Lowe.
2406 bulwerii, Sow.
2407 tectiformis, Sow.
- (*Craspedaria, Lowe.*)
- 2408 delphinula, Lowe (*foss.*).
- (*Coronaria, Lowe.*)
- 2409 delphinuloides, Lowe.
2410 coronata, Desh.
2411 coronula, Lowe (*foss.*).
2412 tiarella, W. and B.
- (*Lemniscia, Lowe.*)
- 2413 phalerata, W. and B.
2414 michaudi, Desh.
2415 calva, Lowe.
2416 galeata, Paiva.
2417 lemniscata, W. and B.
- Fam. IV.—Pupidæ.*
- Bulimus, Scopoli.**
- (691) ventricosus, Drap.
2418 forbesianus, M. and D.
2419 pruninus, Gould.

Bulimus, Scopoli.—continued.

- 2420 moquinianus, W. and B.
 2421 helvolus, W. and B.
 2422 badiosus, Fér.

Pupa, Draparnaud.

(Truncatellina, Lowe.)

- 2423 linearis, Lowe (foss.).
 2424 microspora, Lowe.
 (Gastropod, Lowe.)
 2425 fanalensis, Lowe.
 (1008) umbilicata, Drap.
 2426 1 anconostoma, Lowe.
 (Gastrocopta, Woll.)

- 2427 acarus, Bens.
 2428 gorgonica, Dohrn.
 2429 1 minor, Dohrn.
 (Lyostyla, Lowe.)
 2430 cheilogona, Lowe.
 2431 vincta, Lowe.
 2432 irrigua, Lowe.
 2433 cassidula, Lowe.
 2434 concinna, Lowe.
 2435 laurina, Lowe.
 2436 sphinctostoma, Lowe.
 2437 lævigata, Lowe.
 2438 recta, Lowe.
 2439 macilenta, Lowe.

(Craticula, Lowe.)

- 2440 fusca, Lowe.
 2441 millegrana, Lowe.
 2442 ferraria, Lowe.
 2443 monticola, Lowe.
 2444 calathiscus, Lowe.
 (Staurodon, Lowe.)
 2445 saxicola, Lowe.

Clausilia, Draparnaud.

- 2446 crispa, Lowe.
 2447 deltostoma, Lowe.
 2448 1 raricosta, Lowe.
 2449 2 undulata, Btgg.

Fam. V.—Stenogyridæ.**Stenogyra, Shuttleworth.**

- (1078) decollata, Lin.
 2450 subdiaphana, King.

Achatina, Lamarck.

- (Acicula, Risso.)
 (1723) acicula, Müll.
 (Cochlicopa, Müll.)
 (1680) lubrica, Müll.
 (1680*) 1 maderensis, Lowe.

Lovea, Watson.

- (Ferussacia, Risso.)
 (1694) folliculus, Gronov.
 2451 vitrea, W. and B.
 2452 leacockiana, Lowe.
 (Fusillus, Lowe.)
 2453 gracilis, Lowe.
 2454 oryza, Lowe.
 2455 1 tuberculata, Lowe.
 2456 triticea, Lowe.
 (Amphorella, Lowe.)
 2457 melampoides, Lowe.
 2458 tornatellina, Lowe.
 2459 mitriformis, Lowe.
 2460 1 maderensis, Lowe.
 2461 producta, Lowe.
 (Cylichnidea, Lowe.)
 2462 ovuliformis, Lowe.
 2463 cylichna, Lowe (foss.).

Fam. VI.—Succineidæ.

- Succinea, Draparnaud.**
 2464 sanctæ-helenæ, Lesson.

Sub-Order.—Hygrophila.**Fam. I.—Limnæidæ.****Limnæa, Draparnaud.**

- (1844) truncatula, Müll.

Planorbis, Guettard.

- (1877) glaber, Jeffr.

Ancylus, Geoffroy.

- 2465 striatus, Z. and G.

Fam. II.—Physidæ.

- Physa, Draparnaud.**
 (1903) acuta, Drap.

Order II.—Prosobranchiata.**Sub-Order I.—Pectinibranchiata.****TÆNIOGLOSSA.****Fam. I.—Hydrobiidæ.****Hydrobia, Hartmann.**(2057) *similis*, Drap.**Fam. II.—Cyclophoridæ.****Craspedopoma, Pfeiffer.**

- | | |
|------|------------------------------|
| 2466 | lucidum, Lowe. |
| 2467 | <i>i</i> flavescentia, Lowe. |
| 2468 | <i>2</i> neritoides, Lowe. |
| 2469 | monizianum, Lowe. |
| 2470 | lyonnetianum, Lowe. |
| 2471 | trochoideum, Lowe. |

AD D E N D A .**Helix, Linné.**

- | | |
|------|---------------------------|
| 2473 | bertilliana, Adams. |
| 2473 | beguirensis, Debeaux. |
| 2474 | derbruggeriana, Letour. |
| 2475 | dictæa, Mart. |
| 2476 | duinensis, Stoss. |
| 2477 | lemorisii, Debeaux. |
| 2478 | maachi, Gerst. |
| 2479 | middendorffi, Gerst. |
| 2480 | ravida, Ben. |
| 2481 | rubens, Mart. |
| 2482 | schwerzenbachii, Calcara. |
| 2483 | selskii, Gerst. |
| 2484 | weyprichii, Schm. |

Buliminus, Ehrenberg.

- | | |
|------|------------------------|
| 2485 | albidus, Menke. |
| 2486 | issericus, Kobelt. |
| 2487 | haberhaueri, Dohrn. |
| 2488 | kobelitianus, Nevill. |
| 2489 | subvallotianus, Ancey. |

Pupa, Draparnaud.

- | | |
|------|---------------------|
| 2490 | gracilis, Btg. |
| 2491 | manotiana, Bourg. |
| 2492 | pyramidalis, Dupuy. |

Clausilia, Draparnaud.

- | | |
|------|--------------------|
| 2493 | chelidromia, Btg. |
| 2494 | chalcidensis, Btg. |

Clausilia, Draparnaud.—Continued.

- | | |
|------|----------------------------------|
| 2495 | dorica, Btg. |
| 2496 | polyptychia, Btg. |
| 2497 | peucetana, Btg. |
| 2498 | strictaluna, Btg. |
| | Succinea, Draparnaud. |
| 2499 | exarata, Bourg. |
| 2500 | martensiana, Noll. |
| | Ancylus, Geoffroy. |
| 2501 | curvirostris, Villa. |
| | Pomatias, Studer. |
| 2502 | canescens, Rossm. |
| 2503 | sardus, Mart. |
| 2504 | tauricus, Zieg. |
| 2505 | tersatinus, Zieg. |
| 2506 | perseiananus, Kob. |
| 2507 | <i>i</i> ziquensis, Kob. |
| | Melania, Lamarck. |
| 2508 | amurensis, Gerst. |
| | Paludina, Lamarck. |
| 2509 | ussuriensis, Gerst. |
| 2510 | prærosa, Gerst. |
| | Paludinella, C. Pfeiffer. |
| 2511 | cretica, Clessin. |
| | Pisidium, C. Pfeiffer. |
| 2512 | nitidum, Jenyns. |
| | <i>i</i> splendens, Baud. |
| | Casertanum, Poli. |
| 2513 | <i>i</i> cinereum, Alder. |

THOS. CALDCLEUGH, PRINTER, DURHAM.

GENERAL

MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN,

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VI. MOLLUSCA TERRESTRIA ET FLUVIATILIA.

SUPPLEMENT

(TO CATALOGUE PRINTED IN 1890).

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N O T E S.

The Notes in the Preface to my Catalogue published in 1890 will, in a great measure, apply also to this Supplemental List.

The Mollusca in the present list have almost all been obtained by purchase, and by far the greater majority of the more recently characterized species or named forms have been determined by their describers.

Among the Mollusca of older authors are a valuable series of the specimens sent out by Parreys (whose labels can always be recognized, as being equal sized oblong pieces of paper, on which the name of the shell is written in bold characters, but without any locality or date). These specimens of Parreys were originally in the collection of the Belgian Conchologist, M. Colbeau. M. Colbeau's collection passed into the possession of M. E. Van Den Broeck, and at the dispersal of M. Broeck's collection I had the opportunity of the first selection, and thus secured the types of Parreys and other specimens of interest.

At the sale of M. Morelet's Mollusca I obtained many of his type examples and other shells of value.

A. M. NORMAN.

THE RED HOUSE,
BIRKHAMSTED,
HERTS.

December 18, 1900.

MUSEUM NORMANIANUM.

VI.—MOLLUSCA TERRESTRIA ET FLUVIATILIA.

S U P P L E M E N T.

Class I.—GASTEROPODA.

Order I.—Pulmonata.

Sub-Order I.—Geophila.

Fam. I.—Testacellidæ.

Glandina, Schumacher.

- (19) poireti, C. Pfr.
2514 1 agapeta, Bgt.

Fam. II.—Limacidæ.

Parmacella, Cuvier.

- 2515 alexandrina, Ehrbg.
2516 dorsalis, Mouss.

Vitrina, Draparnaud.

- (23) diaphana, Drap.
2517 2 jetschini, West.

- 2518 kochi, Andreæ.

- 2519 reitteri, Bttg.

- 2520 carniolica, Bttg.

- (37) annularis, Venetz.

- 2521 1 persica, Bttg.

Macrochlamys, Benson.

- 2522 turanica, Marts.

Limax, Linné.

- 2523 deshayesii, Bgt.

Amalia, Moq.-Tandon.

- 2524 raymondiana, Bgt.

Trigonochlamys, Boettger.

- 2525 imitatrix, Bttg.

Conulus, Fitzinger.

- 2526 callopticus, Bgt.

- 2527 fabricii, Beck.

Hyalinia, Agassiz.

(*Vitreæ, Agassiz.*)

- | | |
|-------|---------------------------------|
| 2528 | transylvanica, Cless. |
| 2529 | erjaveci, Brus. |
| 2530 | litoralis, Cless. |
| (62) | crystallina, Müll. |
| 2531 | 2 orientalis, Kim. |
| 2532 | narbonensis, Cless. |
| 2533 | calderoni, West. |
| 2534 | mica, West. |
| 2535 | vitrea, Bielz. |
| 2536 | eustilba, Bgt. |
| 2537 | permodesta, Bgt. |
| (74) | (<i>Zonitoides, Lehmann.</i>) |
| 2538 | excavata, Bean. |
| | <i>a. vitrina, Jeffr.</i> |
| | (<i>Polita, Held.</i>) |
| (79) | petronella, Charp. |
| 2539 | 1 jaccetanica, Bgt. |
| 2540 | 2 subnitidosa, Mouss. |
| 2541 | eurabducta, Bgt. |
| 2542 | lentiformis, Kobelt. |
| (96) | glabra, Studer. |
| 2543 | 2 subglabra, Bgt. |
| (103) | alliaria, Müll. |
| 2544 | melitensis, Kobelt. |
| (104) | cellaria, Müll. |
| 2545 | 4 suburbanæ, Paul. |
| 2546 | chelia, Bgt. |
| 2547 | 1 cheliella, Pech. |
| 2548 | navarrica, Bgt. |
| (123) | <i>a. nitens, Mich.</i> |
| 2549 | <i>a. helmii, Gilb.</i> |
| 2550 | 1 scepi, Hazaz. |

Hyalinia, Agassiz.—continued.

(Polita, Held.)—continued.

- 2551 2 ressmanni, West.
 2552 3 olearis, West.
 2553 4 lundensis, West.
(Mesomphix, Rafinesque).
 2554 simoni, Bttg.
 2555 libanica, Næg. and West.
 (150) olivetorum, Hermann.
 2556 1 subincerta, Nev.
 2557 2 macrobiata, Nev.

Zonites, Montfort.

- 2558 örtzeni, Martens.
 2559 polycrates, Martens.
 2560 cœsius, Martens.
 2561 kobelti, Bttg.
 2562 rhodius, Martens.
 (166) compressus, Zieg.
 2563 *a.* lardea, Stentz.

Fam. III.—Leucochroidæ.**Leucochroa, Beck.**

- (176) candidissima, Drap.
 2564 *e.* depressa, Mhlf.
 2565 *f.* microstoma, Bgt.
 2566 *g.* conoidea, Bgt.
 2567 saharica, Deb.

Fam. IV.—Helicidæ.**Helix, Linné.**

(Punctum, Morse.)

- 2568 ledieri, Bttg.
(Patula, Held.)
 2569 abietina, Bgt.
 (215) rupestris, Stud.
 2570 *a.* saxatilis, Hm.
(Gonostoma, Held.)
 (225) corcyrensis, Partsch.
 2571 2 octogyrata, Mouss.
 (237) lens, Fér.
 2572 2 callojuncta, Bl. and W.
 2573 themcenensis, Bgt.
 2574 1 pechaudi (Bgt.), Anc.
(Chilotrema, Leach.)
 (254) lapicida, Lin.
 2575 1 andorrica, Bgt.
(Nummulina, Kobelt.)
 2576 genezarethana, Mouss.

Helix, Linné.—continued.

(Fruticola, Held.)

- (259) unidentata, Drap.
 2577 *a.* anodontata, Tschap.
 (261) leucozona, Zieg.
 2578 1 ovirensis, Rossm.
 2579 2 heteromorpha, West.
 2580 steneligma (Bgt.), Mab.
 2581 bofilliana, Fagot.
 2582 phorochœtia, Bgt.
 (255) sericea, Drap.
 2583 1 corneola, Cless.
 2584 2 liberta, West.
 2585 tumescens, West.
 2586 clessini, Uliceny.
 2587 lasia, Bgt.
 2588 moquiniana, Raym.
 (298) globula, Kryn.
 2589 1 radschana, Bttg.
 2590 transcaspia, Bttg.
 2591 arpatschaiana, Mouss.
 2592 proclivis, Martens.
 2593 hausknechti, Bttg.
 (318) anconæ, Iss.
 2594 1 simplicita, Parr.
 (320) carthusiana, Müll.
 2595 *c.* minor.
 2596 *d.* fasciata, West.
 (328) olivieri, Fér.
 2597 5 cribrata, West.
 (336) flaveola, Kryn.
 2598 *a.* albina.
 2599 cheffiana, Bgt.
 (340) strigella, Drap.
 2600 1 colliniana, Bgt.
 2601 2 mehadiae, Bgt.
 2602 3 agapeta, Bgt.
 2603 hirci, Cless.
 2604 pantanellii, De Stef.
 (344) martensiana, Tiberi.
 2605 *a.* major.
 (346) incarnata, Müll.
 2606 1 veprium, Bgt.
 2607 2 byssina, Gredl.
 2608 andria, Martens.
 (343) limbata, Drap.
 2609 1 hylonomia, Bgt.
(Cressa, Westerlund.)
 (350) pellita, Fér.
 2610 *a.* minor.

Helix, Linné—continued.

(Campylaea, Beck.)

- (364) ravergieri, Fér.
 2611 1 persica, Bttg.
 2612 cyrniaca, Dut.
 (374) pouzolzi, Mich.
 2613 a. unicolor, Pfr.
 2614 2 bosnensis, Kob.
 2615 argentellei, Kob.
 2616 1 peritrichia, Bttg.
 2617 hessei, Kim.
 (385) heimesiana, Pini.
 2618 2 ligurica, Kob.
 (390) pyrenaica, Drap.
 2619 1 xanthelæa (B.), Fag.
 2620 2 complanata, Bgt.
 2621 möllendorffii, Kob.
 (400) planospira, Lam.
 2622 b. minor.
 2623 c. vitrea.
 2624 5 etrusca, Kob.
 2625 6 adelostoma, Parr.
 2626 tiesenhausenii, Gredl.
 2627 sadleriana (Z.), Rossm.
 (421) trizona, Zieg.
 2628 1 balcanica, Friw.
 2629 2 frauenfeldi, Zel.
 (422) cyclolabris, Desh.
 2630 5 eubœa (Parr), Kob.
 (427) cœruleans, Mhlf.
 2631 a. zrmanjæ, Brus.
 2632 squammatina, M. de Serres.
 (432) cingulata, Stud.
 2633 5 lucensis, Paul.
 (437) carrarensis, Porro.
 2634 1 montana, Paul.
 (438) presli, F. Schm.
 2635 3 anconæ, Gentil.
 2636 4 agnata, Paul.
 (441) colubrina, Jan.
 2637 1 nubila (Z.), Kob.
 2638 2 transiens, Adami.
 (446) faustina (Z.), Rossm.
 2639 3 citrinula (Z.), Bz.
 2640 4 fortunata (Parr), Bz.
 (*Arianta, Leach.*)
 (451) arbustorum, Lin.
 c. rufescens, Moq.-Tand.
 2642 7 sendtneri, Cless.
 2643 8 troichoidalis, Roff.

Helix, Linné—continued.

(Arianta, Leach.)—continued.

- 2644 9 depressa, Held.
 2645 10 witmanni, Zaw.
 2646 11 jetschini, Ulicny.
 2647 12 styriaca (Frfld.), Kobelt.
 (*Euparypha, Hartmann.*)
 (466) planata, Chemn.
 2648 2 erystrostoma (Phil.), Fér.
 (470) pisana, Müll.
 2649 4 donatii (Berth.), Bgt.
 2650 5 pisanopsis, Serv.
 2651 6 alboranensis, Webb.
 2652 7 burriana, Rossm.
 2653 8 rhodostoma, Drap.
 2654 9 sardoa, Zieg.
 (*Xerophila, Held.*)
 2655 bousqueti (Deb.), West.
 2656 fædata (Hagenm.), West.
 2657 æqusæ, Kob.
 2658 rufolabris, Ben.
 2659 da silvæ (Serv.), Bgt.
 1 papalis, Loc.
 2660 salentina (Bl.), Loc.
 2661 limara, Bgt.
 2662 1 limarella (Hagenm.), West.
 2663 latastei (Let.), Bgt.
 (490) subrostrata, Fér.
 2664 1 hamyi (Bgt.), West.
 (491) cretica, Fér.
 2665 1 santorina, Let.
 2666 psammathea, Let. and Bgt.
 (514) vestalis (Parr), Pfr.
 2667 1 radiolata, Mouss.
 2668 ramlensis (Bgt.), West.
 2669 1 mahmoudiana (Bgt.), West.
 2670 panurga, Bgt.
 2671 euphorcella (Pech.), Bgt.
 2672 euphorcopsis (Let.), Anc.
 2673 bollenensis, Loc.
 2674 carpensoractensis, Fag.
 2675 stiparum, Rossm.
 2676 marioniana, Bgt.
 2677 zaccarensis, Kob.
 2678 devauxi, Deb.
 2679 ūberis, Loc.
 2680 coenosí (Bgt.), Loc.
 (527) tiveri, Mich.
 2681 1 luci, Florence.
 2682 cyclostoma, West.

Helix, Linné.—continued.

(Xerophila, Held.)—continued.

- 2683 gouini (Deb.), West.
 2684 lemoinei (Deb.), Kob.
 (533) sitifiensis, Bgt.
 2685 1 jusiana (Bgt.), Loc.
 2686 oreta, Bgt.
 2687 monerca, Bgt.
 2688 ripacurcica, Bofill.
 (534) cespitum, Drap.
 2689 1 dismathia, Nev.
 2690 2 alticola, Nev.
 2691 calographa, West.
 2692 guimeti, Bgt.
 (549) profuga, A. Schm.
 2693 2 attica, Bttg.
 2694 3 melitensis, Gatto.
 gradiscanensis, Fag. (type not in coll.)
 2695 1 muggianica, Fag.
 2696 tringa, West.
 2697 1 montfalconensis (Stoss), West.
 (552) meridionalis, Parr.
 2698 1 gyrosa, West.
 2699 alberti, Kob.
 2700 xalonica, Serv.
 2701 alluviorum, Serv.
 2702 montgiscardiana, Fag.
 2703 grannonensis, Bgt.
 2704 fera, Bgt.
 (558) striata, Müll.
 2705 2 nilssoniana, Bk.
 2706 substriata, Cless.
 2707 subapicina, Mouss.
 2708 duveyrieriana, Bgt.
 2709 letourneuxiana, Bgt.
 2710 pictorum, Bgt.
 2711 monistrolensis, Fag.
 2712 groboni, Bgt.
 2713 lieuranensis (Bgt.), Cout.
 (569) valcourtiana, Bgt.
 2714 1 veranyi (Bgt.), Cout.
 2715 solaciaca, Mab.
 thuillieri, Mab. (type not in coll.)
 2716 1 nomephila, Bgt.
 (570) heripensis, Mab.
 2717 1 ruida (Bgt.), Cout.
 2718 cenisia, Ch.
 2719 lugdanica, Mab.
 2720 arelatensis, Loc.

Helix, Linné.—continued.

(Xerophila, Held.)—continued.

- 2721 geryvillensis, Bgt.
 2722 djebbarica, Bgt.
 2723 warnieriana, Bgt.
 2724 misara, Bgt.
 2725 ambielina (Ch.), Palad.
 2726 æglia, Let. and Bgt.
 2727 fabriesi (Deb.), West.
 2728 isæa, Hegenn.
 2729 1 nedromæ (Deb.), West.
 2730 ademata (Bgt.), Loc.
 2731 avenionensis (Bgt.), Loc.
 2732 illibatiformis, Anc.
 2733 eustricta, Bgt.
 2734 montivaga, Fag.
 (602) xelebori, Pfr.
 2735 1 adarella (Bgt.), Serv.
 2736 chthamololena, Bgt.
 2737 montserratica (Bgt.), Hidalgo.
 (614) crenimargo, Kryn.
 2738 1 obtusior, Mouss.
 2739 milaschewitschi, Ret.
 (615) syrensis, Pfr.
 2740 1 exserta, Marts.
 2741 graja, West.
 2742 idia, Let. and Bgt.
 (645) spirula (Zel.), West.
 2743 1 batowskyana, Cless.
 (649) derbentina, Kryn.
 2744 3 suprazonata (Bayer), Mouss.
 2745 fedtschenkoi, Marts.
 2746 talmacensis, Bielz.
 2747 pumilio, Chemn.
 2748 serrulata, Bk.
 (673) terrestris, Penn.
 2749 a. depressa, Bgt.
 2750 liebetruiti, Alb.
 2751 subnumidica (Bgt.), West.
 2752 cucullus, Marts.
 (692) barbara, Lin.
 2753 1 terveriana, Mouss.
 (Iberus, Montfort.)
 (696) scabriuscula, Desh.
 2754 c. demissa, Ben.
 2755 4 drepanensis (Huet), Pfr.
 (706) muralis, Müll.
 2756 5 alutacea, Paul.
 2757 substrigata (B.), Mab.
 2758 weberi, Kob.

Helix, Linné.—continued.

(Iberus, Montfort.)—continued.

2759 tetuanensis, Kob.

2760 urmiensis (Næv.), Kob.

(Macularia, Albers.)

2761 codringtoni, Gray.

2761 3 eucincta, Bgt.

2762 4 euchromia, Bgt.

2763 5 oetæ, Kob.

2764 6 ætolica, Bttg.

2765 crassa, Pfr.

(764) alonensis, Fér.

2766 1 lorcanæ, Rossm.

2767 guiraoana, Rossm.

2768 sollieri (Bgt.), Pech.

2769 chorista (Bgt.), Serv.

(779) vermiculata, Müll.

2770 c. linusina, Ben.

2771 monst. scalariformis.

(784) lactea, Müll.

2772 1 sevilliana (Grat.), Mouss.

2773 2 submaura, Fagot.

2774 bathylæma, Bgt.

2775 ghazouana (Deb.), Kob.

2776 tagina, Serv.

(790) myristigmæa, Bgt.

2777 3 mazograna, Deb.

2778 baudotiana, Bgt.

2779 charieia, Pech.

(799) julietti, Terv.

2780 a. saidana (Deb.), West.

2781 wagneri (Terv.), Kob.

2782 rerayana, Mouss.

2783 euglyptolena, Pech.

(810) abrolena, Bgt.

2784 b. microstoma, Bgt.

2785 flattersiana, Ancey.

2786 embia, Bgt.

2787 surrodonta, Bgt.

2788 stereodonta, Bgt.

(Tachea (Leach), Gray.)

(827) vindobonensis, Fér.

2789 a. minor.

2790 b. conoidea, West.

2791 c. pallescens, Fér.

2792 d. nigra, West.

2793 e. quadrifasciata.

2794 f. rustica.

2795 calæca (Bgt.), Fag.

(822) atrolabiata, Kryn.

Helix, Linné.—continued.

(Tachea (Leach), Gray.)—continued.

2796 d. albolabiata, Dohrn.

(Pomatia, Beck.)

(842) mazullii, Jan.

2797 a. zonata, Bgt.

(853) obtusata, Zieg.

2798 1 bicincta (Dubois), Kob.

(854) cincta, Müll.

2799 1 euryonyx, Bttg.

(861) pomatia, Lin.

2800 g. lednicensis, Brancs.

2801 h. rustica, Hn.

2802 i. thessalica, Bttg.

2803 k. pyrgia, Bgt.

(862) ligata, Müll.

2804 a. pomatella (Tib.), Kob.

2805 b. pseudopomatia (Bl.), West.

2806 5 dichromolena, Bgt.

*Fam. V.—Pupidæ.***Buliminus (Ehrbg.), Beck.**

(Zebrinus, Held.)

2807 subdetritus, Bgt.

(876) detritus, Müll.

2808 e. corneus (Mich.), Rossm.

2809 f. luteus, Z.

(882) cylindricus, Mke.

2810 6 obsoletus (Parr), Mouss.

2811 7 acuminatus, Ret.

2812 8 subacuminatus, Ret.

(Brephealus, Beck.)

2813 bicallosus (Friw.), Pfr.

2814 subcarneolus, Bgt.

(909) transsylvaniaicus, Kim.

2815 a. relictus, Bielz.

2816 1 tenuis, Bielz.

(Napæus, Albers.)

(925) todillus, Morel.

2817 2 cartensis, Let.

2818 thotellerii, Bgt.

2819 bourguinati, Let.

2820 issericus, Kobelt.

2821 subtilis, Rossm.

2822 monticola, Roth.

2823 cefalicus, Mouss.

(936) montanus, Drap.

2824 a. major, Rossm.

2825 b. ventricosus, Loc.

2826 c. prolongatus, Brancs.

Buliminus (Ehrbg.), Beck.—continued.
(Napaeus, Albers.)—continued.

2827 *d. carthusianus*, Loc.

(942) *obscurus*, Müll.

2828 *a. alba*.

(944) *gibber*, Kryn.

2829 *i phorcus*, Bgt.

(Chondrulus, Beck.)

(954) *quinquedentatus*, Mhlf.

2830 *a. tumidus*, West.

2831 *i approximatus*, Friw.

(955) *bergeri*, Roth.

2832 *i meridionalis*, Bttg.

2833 *ghilanensis*, Iss.

2834 *limbodentatus*, Mouss.

2835 *hoplites*, West.

2836 *westerlundi*, Kob.

2837 *seductilis* (Z.), Rossm.

2838 *samius*, Marts.

2839 *planilabris*, Bttg.

(977) *thiesseanus* (Mss.), West.

2840 *i helikonicus*, West.

(Petræus, Albers.)

2841 *gaillyi* (Let.), West.

(Central Asian Species.)

(993) *eremita*, Benson.

2842 *a. minor*.

2843 *b. controversa*.

2844 *albiplicatus*, Marts.

2845 *purus*, West.

2846 *entodon*, Marts.

2847 *haberhaueri* (Dohrn.), Ancey.

2848 *walteri*, Bttg.

2849 *herzensteini*, Ancey.

Pupa, Draparnaud.

(Lauria, Gray.)

(1008) *cylindracea*, Da Costa.

2850 *a. edentula*.

2851 *3 anconostoma* (Lowe), Pfr.

2852 *numidica*, Bgt.

(1016) *superstructa*, Mouss.

2853 *3 ledieri*, Bttg.

(Orcula, Held.)

(1019) *dolium*, Drap.

2854 *a. uniplicata*, Pot. and Mich.

2855 *b. plagiostoma*.

2856 *c. cebratica*, West.

2857 *i brancsiki*, Cless.

2858 *2 kimacoviczii*, Brancs.

2859 *3 minima*, Brancs.

Pupa, Draparnaud.—continued.
(Orcula, Held.)—continued.

2860 *a. obesa*, Brancs.

2861 *4 titan*, Brancs.

2862 *jetschini*, Kim.

(1023) *doliolum*, Brug.

2863 *a. albina*.

2864 *b. uniplicata*.

2865 *c. critica*, Zel.

(Coryna, Westerlund.)

2866 *bielzi*, Rossm.

2867 *locardi*, Bgt.

(Pagodina, Strobel.)

(1033) *pagodula*, Des. Moul.

2868 *3 obliqua*, West.

(Torquilla, Faure-Big.)

(1037) *similis*, Brug.

2869 *a. major*.

(1042) *goniostoma*, Kstr.

2870 *a. juliensis*, Bourg.

2871 *crassata* (Bofill.), Fag.

(1046) *avenacea*, Brug.

2872 *a. eupora*, Zieg.

2873 *b. paucidens*, West.

2874 *3 appuana*, Issel.

2875 *4 oligodontata*, Del Prete.

2876 *5 melanostoma* (Paul), West.

circumplicata (Mouss.), West.

2877 *a. multidentata*, Strob.

tarraconensis, Fag.

aragonica, Fag.

massotiana, Bourg. (type not in co)

2878 *i penchinatiana*, Bourg.

2882 *ilendensis*, Fag.

2883 *pulchella*, Bofill.

2884 *dertosensis*, Bofill.

2885 *rupestris*, Phil.

2886 *a. sicana*.

2887 *microdon*, West.

2888 *dupoteti*, Terv.

2889 *eucyphogrya*, Let.

2890 *philippii*, Cantr.

2891 *i savii* (Ch.), Fag.

(1069) *flumentum*, Drap.

2892 *6 cylindracea* (Z.), Rossm.

2893 *7 polita*, West.

2894 *8 hungarica*, Kim.

(1080) *secale*, Drap.

2895 *a. gracilior*, West.

2896 *b. cylindrica*, Loc,

Pupa, Draparnaud. —continued.	
(<i>Torquilla, Faure-Big.</i>)—continued.	
2895	letourneuxi, Bourg.
(1091)	variabilis, Drap.
2896	b. elongata.
2897	c. polita, Risso.
(<i>Pupilla, Leach.</i>)	
(1099)	muscorum, Müll.
2898	b. elongata, Cless.
2899	c. caucasica, Btg.
3000	d. prætenuis, Cless.
3001	z pratensis, Cless.
3002	lundstromi, West.
3003	aucapitainiana, Bourg.
(1101)	sterri, Voilt.
3004	a. carpatica.
3005	z cupa, Jan.
(1103)	triplicata, Stud.
3006	a. bidentata, West.
(<i>Isthmia, Gray.</i>)	
(1115)	costulata, Nilsson.
3007	1 allogyna, West.
(<i>Alæa, Jeffreys.</i>)	
3008	schultzi, Phil.
3009	ronnebyensis, West.
(1124)	pygmæa, Drap.
3010	a. callocarens, Btg.
(1128)	antivertigo, Drap.
3011	a. sexdentata, Mont.
3012	b. octodentata, Stud.
3013	8 novemdentata.
3014	9 ferox, West.
3015	maresi, Bourg.
Balea, Prideaux.	
(1131)	perversa, Lin.
3016	1 pyrenaica, Bourg.
3017	2 suecana, West.
3018	3 polita, West.
Clausilia, Draparnaud.	
(<i>Alopia, Adams.</i>)	
(1138)	livida, Menks.
3019	b. costicollis, Bielz.
3020	c. minor.
3021	d. bipalitalis, Kim.
3022	1 maxima, Rossm.
(1134)	lischkeana, Parr.
3023	1 obesa, Kim.
(1135)	fussiana, Bielz.
3024	1 grandis, Bielz.
(1137)	bielzi, Parr.

Clausilia, Draparnaud. —continued.	
(<i>Alopia, Adams.</i>)—continued.	
3025	3 tenuis, Bielz.
3026	4 media, Bielz.
(1140)	glauca, Bielz.
3027	d. major.
(1142)	costata (Bielz), Kim.
3028	a. ambigua, Kim.
3029	b. pleurata, Kim.
3030	c. corroborata, Kim.
(1144)	haueri, Bielz.
3031	a. transitans, Kim.
3032	1 latecosta, Btg.
(1145)	canescens, Parr.
3033	a. unipalitalis, Btg.
(1147)	elegans, Bielz.
3034	1 intercedens, A. Schm.
(1148)	straminicollis (Parr), Ch.
3035	1 schmidti, Kim.
3036	2 minor, A. Schm.
3037	3 subcosticollis, A. Schm
3038	4 boettgeri, Kim.
3039	monst. dextrorsa.
(1149)	plumbea, Ross.
3040	c. albina, Bielz.
(1150)	regalis, Bielz.
3041	1 deubeli, Kim.
3042	2 walderdorffii, Kim.
3043	3 valachiensis, Btg.
(1152)	bogatensis, Bielz.
3044	a. minor.
3045	1 lævigata, Bielz.
(<i>Clausiliastra, Mollendorff.</i>)	
(1157)	marginata, Zieg.
3046	a. vitrea, Bielz.
3047	1 bilabiata (Friw.), Rossm
(1159)	laminata, Mont.
3048	5 triloba, Btg.
3049	6 virescens, A. Schm.
3050	politata (Parr), A. Schm.
(1168)	costata, Zieg.
3051	2 subcostata, Btg.
(1170)	curta, Rossm.
3052	a. maxima.
3053	2 heterodoxa, Wes
(1172)	commutata, Rossm.
3054	6 mutata, West.
3055	7 lucida (Z.), Rossm.
(1179)	küsteri, Rossm.
3056	2 sarda, Villa.

Clausilia, Draparnaud.—continued.*(Clausiliastra, Mollendorff.)*—continued.

- 3057 3 sophiae, Paul.
 (Mentissa, Boettger.)
 (1188) gracilicosta (Z.), Rossm.
 3058 1 gracilior, A. Schm.
 3059 2 sordalis (Parr), A. Schm.
 3060 3 taurica (Parr), A. Schm.
 3061 canalifera, Rossm.
 (1190) detersa (Z.), Rossm.
 3062 1 costulata, Bttg.
 (Euxina, Boettger.)
 (1192) circumdata (Friw.), Pfr.
 3063 1 noctarina (Friw.), Pfr.
 (1198) pleuroptychia, Bttg.
 3064 1 polygyra, Bttg.
 (1199) litotes, Parr.
 3065 2 litoderma, Bttg.
 3066 index, Mouss.
 (1213) corpulenta (Friw.), Pfr.
 3067 1 expansa (Parr), A. Schm.
 (1214) mæsta, Fér.
 3068 2 sublævis, Bttg.
 3069 3 multiserrata, Bttg.
 (Alinda, Adams.)
 (1216) plicata, Drap.
 3070 c. costata (Bz.), Kim.
 3071 4 plagia, Bourg.
 3072 5 elongata (A. S.), Rossm.
 3073 6 exalta (Parr), West.
 3074 7 weyersi, Roff.
 (1220) biplicata, Mont.
 3075 b. grandis, Rossm.
 3076 c. albina, Parr.
 3077 2 elongata (Parr), A. Schm.
 3078 3 sordida, A. Schm.
 3079 4 bucephala (Parr), A. Schm.
 3080 5 fessa, West.
 3081 6 labiata (Zel.), Bttg.
 (Idyla, Vest.)
 3082 socialis (Friw.), Pfr.
 3083 fraudigera (Parr), Rossm.
 (1228) pagana (Z.), Rossm.
 3084 3 mendax, A. Schm.
 (1231) rugicollis (Z.), Rossm.
 3085 a. minor.
 3086 2 hasta, Kust.
 (Bitorquata, Boettger.)
 3087 bitorquata (Friw.), Rossm.

Clausilia, Draparnaud.—continued.*(Siciliaria, Vest.)*

- (1237) leucophryne (Parr), Pfr.
 3088 1 laudabilis (Parr), West.
 (1242) septemplicata, Phil.
 3089 1 proxima, Ben.
 3090 2 prasina (Ben.), A. Schm.
 (Herilla, Adams.)
 (1246) dacica (Friw.), Pfr.
 3091 1 consobrina, A. Schm.
 3092 2 styriaca.
 3093 3 neglecta, Brancs.
 3094 kornisii (Kimak), Cless.
 (Delima (Hn), Boettger.)
 (1249) cattaroensis, Zieg.
 3095 a. parvula, West.
 3096 1 gracilior, Desh.
 3097 subcristata, Kust.
 (1252) gibbula, Zieg.
 3098 1 brinieri, Pot. and Mich.
 3099 2 peucetana, Kobelt.
 3100 3 septentrionalis, Bttg.
 3101 multiplex, West.
 3102 bosnica, W. Pfr.
 3103 a. unipalitalis, Brancs.
 3104 b. expansilabris, Kim.
 3105 1 plivæ, Brancs.
 3106 travnicana, Brancs.
 3107 1 brandisi, Kim.
 3108 parnassia, Bttg.
 3109 imitatrix, Bttg.
 3110 decorata, Kust.
 3111 translucida (Z.), Pfr.
 (1264) ornata, Zieg.
 3112 a. producta, A. Schm.
 3113 2 humensis, Tschap.
 (1267) itata, Marts.
 3114 7 vicentina, A. Schm.
 3115 8 tridentata, Adams.
 3116 9 nigra (Peccioli), Iss.
 3117 10 elegans, Gentilh.
 3118 11 lombardica, Mouss.
 3119 12 albopustulata, Jan.
 3120 invalida (Mouss.), Bttg.
 (1277) balsamoi, Strob.
 3121 2 lorinæ, Gredl.
 3122 3 varescoi, Pini.
 3123 4 tiesenhausenii, Gredl.
 (1280) cincta, Brum.
 3124 a. minor.

Clausilia, Draparnaud.—continued.
(*Delima (Hn), Boettger.*)—continued.

- 3125 2 funki, Kust.
- 3126 a. gredleriana, West.
- 3127 saccata, Kust.
- (1284) subcylindrica, Zieg.
- 3128 1 pupula, Kust.
- (1291) laevissima, Zieg.
- 3129 a. minor.
- 3130 3 fuliginea, Zieg.
- 3131 modesta, Kust.
- 3132 perinni (Let.), Bourg.
- (1301) muralis, Kust.
- 3133 1 montenegrina (K.), Pfr.
- (1303) semirugata, Zieg.
- 3134 6 totarugata, Kust.
- (1321) callifera, Kust.
- 3135 1 planicollis, Parr.
- 3136 macrostoma, Kust.
- (1323) conspurcata (Jan.), Rossm.
- 3137 a. major.
- 3138 2 septentrionalis, Bttg.
- 3139 T-album, Kust.
- (1329) decipiens, Rossm.
- 3140 a. minor.
- 3141 2 fuscata, Mlldf.
- (1331) pachystoma, Kust.
- 3142 1 grandis, A. Schm.
- 3143 2 succinacea, Bttg.
- 3144 3 vicaria, Bttg.
- (1332) albocincta, Pfr.
- 3145 a. major.
- 3146 1 variata, Kust.
- 3147 2 minor, Kust.
- 3148 3 maxima, Kust.
- 3149 notabilis, Kust.
- (1339) archilabris, Kutsch.
- 3150 a. sinjana (Kutsch.), Bttg.
- (1343) blanda, Zieg.
- 3151 a. imbecillis (Parr), Bttg.
- 3152 b. familiaris, West.
- (1344) sororia (Parr), A. Schm.
- 3153 1 crassitesta, Bttg.
- (1348) satura, Zieg.
- 3154 3 croatica (Parr), Pfr.
- (1351) gastrolepta (Z.), Rossm.
- 3155 3 inermis, Bttg.
- 3156 4 cuspichii, Kust.
- 3157 5 tabida, Kust.
- 3158 adposita (Parr), Strob.

Clausilia, Draparnaud.—continued.
(*Dilataria, Vest.*)

- 3159 tenuilabris, Rossm.
- 3160 pirostoma, Bttg.
- 3161 marchi (Zel.), Pfr.
- 3162 capillacea, Rossm.
- (1358) thomasiana (Charp.), Kust.
- 3163 1 verbanensis, Strob.
- (*Medera, Vest.*)
- 3164 leucantha (Kust.), West.
- (1362) dalmatina (Partsch.), Rossm.
- 3165 3 orthopleura, West.
- 3166 4 ingrossata, A. Schm.
- (1365) aquila, Parr.
- 3167 a. minor.
- 3168 gravida, Kust.
- (1367) almissana, Kust.
- 3169 b. major, West.
- 3170 c. minima, A. Schm.
- (1370) macarana, Zieg.
- 3171 b. major, West.
- 3172 c. gracilior, West.
- (1376) punctulata, Kust.
- 3173 1 platychela, Scacchi.
- (1377) agnata (Partsch), Ant.
- 3174 4 cognita, Bttg.
- (*Agathilla, Vest.*)
- (1383) sulcosa, Wagn.
- 3175 4 discolor, Kust.
- 3176 5 atractoides, Kust.
- 3177 inchoata, Bttg.
- (1390) lamellosa, Wagn.
- 3178 1 striolaris, Parr.
- (1393) goldi (Kutsch), Walderd.
- 3179 1 angustella, Parr.
- 3180 2 striatula, Parr.
- (1394) exarata (Z.), Rossm.
- 3181 a. minor, West.
- 3182 1 mostarensis, Brancs.
- 3183 2 priomoricana, Stossich.
- 3184 3 denegabilis, Zieg.
- (*Albinaria, Vest.*)
- 3185 filumna (Parr), Pfr.
- 3186 rollei, Bttg.
- (1395) anatolica, Roth.
- 3187 1 apicalis, Bttg.
- 3188 petrosa (Parr), Pfr.
- 3189 idæa, Pfr.
- (1396) byzantina (Parr), Ch.
- 3190 3 adspersa, Bttg.

Clausilia, Draparnaud. —continued. <i>(Albinaria, Vest.)</i> —continued.	
(1399)	glabella, Pfr.
3191	1 spratti, Bttg.
3192	pura, Bttg.
(1400)	strigata, Pfr.
3193	5 orientalis, Bttg.
(1405)	virginea, Pfr.
3194	1 leucoderma, Bttg.
(1406)	subvirginea, Bttg.
3195	2 occulta, Bttg.
(1413)	sublamellosa, Bttg.
3196	2 intermedia, Bttg.
3197	3 prima, Bttg.
(1416)	tenuicostata, Pfr.
3198	4 sulcicollis, Bttg.
3199	straminea (Parr), A. Schm.
3200	græca, Pfr.
(1436)	lopedusæ, Calcaræ.
3201	1 pallidescens (Z.), A. Schm.
(1437)	bigibbosa, Charp.
3202	1 major, Bttg.
3203	2 evanida, Bttg.
3204	forbesiana, Pfr.
3205	itylensis, Bttg.
3206	leucadia, Bttg.
(1438)	brevicollis, Pfr.
3207	3 sublævigata, Bttg.
3208	4 casia, Bttg.
3209	5 inauris, Bttg.
3210	milleri, Pfr.
(1443)	cærulea, Fér.
3211	7 minor, Pfr.
3212	8 euboeica, Mouss.
3213	9 cretensis, Pfr.
3214	10 paria, Bttg.
3215	11 syrensis, Bttg.
3216	12 samia, Bttg.
3217	maculata (Z.), Rossm.
3218	kreglingeri (Zel.), Pfr.
(1455)	corrugata, Drap.
(1458)	3 inflata, Oliv.
3219	f. epimenides (Bl.), Bttg.
3220	4 almyrosana, Bttg.
(1461)	drakakesi, Maltz.
3221	3 parallelifera, Bttg.
3222	4 amputata, Bttg.
3223	saxatilis, Parr.
(1466)	clara, Bttg.
3224	1 multicosta, Bttg.

Clausilia, Draparnaud. —continued. <i>(Albinaria, Vest.)</i> —continued.	
(1535)	oertzeni, Bttg.
3225	1 camura, Bttg.
3226	retusa, Oliv.
(1471)	teres, Oliv.
3227	4 tenerrima, Bttg.
3228	5 centralis, Bttg.
3229	6 vesti, Bttg.
3230	7 ventricosa, Bttg.
3231	8 insularis, Bttg.
(1476)	extensa, Pfr.
3232	2 acuticostata, Bttg.
3233	3 ventricosa, Bttg.
(1481)	turrita, Pfr.
3234	1 syphnia, Bttg.
3235	rudis, Pfr.
3236	virgo, Mouss.
(1490)	cristatella, Kstr.
3237	1 costulifera, Bttg.
(1499)	discolor, Pfr.
3238	3 æginæ, Bttg.
3239	dorica, Bttg.
(1504)	messenica, Mart.
3240	2 laconica, Bttg.
(1506)	grisea, Desh.
3241	1 bigibbosula, West.
3242	2 heterochroa, West.
3243	haussknechti, Bttg.
3244	1 lævior, Bttg.
3245	2 semilævis, Bttg.
(1511)	maculosa, Desh.
3246	1 thiesseana, Bttg.
3247	2 immensa, Bttg.
(1513)	schuchi, Voith.
3248	2 tumida, Bttg.
3249	3 oertzeni, Bttg.
(1519)	contaminata, Zieg.
3250	4 fuscostrigata, Bttg.
3251	5 soluta, Mouss.
3252	6 luxuriensis, Stabile.
(1523)	nævosa, Fér.
3253	1 othona, Bgt.
(1527)	senilis (Z.), Rossm.
3254	a. modesta (Z.), Ch.
3255	b. interpicta, Mouss.
3256	1 flavescens, Bttg.
3257	inconstans, Mouss.
(1537)	(<i>Pseudalinda, Boettger.</i>) fallax, Rossm.

	Clausilia, Draparnaud. —continued. (<i>Pseudalinda</i> , Boettger.)—continued.
3258	a. minor.
3259	b. viridana, Kim.
3260	1 obscura (Parr), A. Schm.
3261	2 serbica, Mlldf.
(1538)	stabilis, Zieg.
3262	1 hæsitans, West.
(1541)	denticulata, Oliv.
3263	2 spratti, Bttg.
3264	3 erberi, Frfd.
3265	semidenticulata, Pfr.
(<i>Uncinaria</i> , Vest.)	
(1544)	turgida (Z.), Rossm.
3266	b. virescens.
3267	1 abdita, Kim.
3268	2 bulimoidea, West.
3269	3 traxleri, Kim.
3270	procera, Bielz.
(1545)	elata, Zieg.
3271	a. minor.
3272	b. major.
3273	1 viridana, Kim.
3274	2 banatica, Parr.
(<i>Strigillari</i> , Vest.)	
(1547)	cana, Held.
3275	3 farta, A. Schm.
3276	4 turrita, Cless.
(1550)	vetusta, Zieg.
3277	3 ventricosior, West.
3278	4 kajabaschica (Kim.), Brancs.
3279	5 intermissa, Brancs.
(<i>Cristataria</i> , Vest.)	
3280	laodicensis, Fér.
3281	davidiana, Bgt.
3282	prophetarum, Bgt.
3283	delesserti, Bgt.
3284	fauciata (Parr), Rossm.
3285	zelebori, Rossm.
3286	stussineri, Bttg.
(1557)	boissieri, Charp.
3287	1 birugata (Parr), Ch.
(1559)	orrecta (Friw.), Rossm.
3288	1 crebricostata, Bgt.
3289	staudingeri, Bttg.
(<i>Oligoptychia</i> , Boettger.)	
3290	brunnea (Z.), Rossm.
3291	hueti, Mort.
3292	lævicollis (Parr), Ch.
3293	1 tokatensis, Nagele.

	Clausilia, Draparnaud. —continued. (<i>Oligoptychia</i> , Boettger.)—continued.
3294	bicarinata (Z.), Rossm.
3295	1 bichroa, Bttg.
3296	sowerbyana, Pfr.
3297	1 imperialis, Bttg.
3298	taurica, Kryn.
(1564)	bicristata, Rossm.
3299	b. volensis, Bttg.
3300	c. kumensis, Bttg.
3301	d. samothracana, Bttg.
3302	eustropha, Bttg.
(1567)	kephissiæ, Roth.
(1568)	1 pikermiana, Roth.
3303	a. cristicollis, West.
3304	rothi, Pfr.
(1571)	castalia, Roth.
3305	1 crenilabris, Bttg.
(<i>Papillifera</i> , Boettger.)	
(1573)	oscitans, Fér.
3306	1 pseudosyracusana, C. Gallo.
3307	2 doliolum, Marts.
3308	3 torcula, Marts.
(1575)	isabellina, Pfr.
3309	a. æginæ, West.
(1581)	venusta, A. Schm.
3310	1 pusilla, Bttg.
(1582)	thermopylarum, Pfr.
3311	1 perplana, Bttg.
3312	2 crassilabris, Bttg.
(1586)	saxicola (Parr), Pfr.
3313	4 strangolia, West.
3314	5 thessala, Bttg.
(1590)	negropontina, Pfr.
3315	2 hanleyana, Pfr.
3316	chelidromia, Bttg.
3317	1 gicurica, Bttg.
3318	suturalis (Parr), Rossm.
3319	clandestina (Parr), Rossm.
3320	1 dissimilis, West.
3321	2 thiesseæ, Bttg.
3322	3 patula.
3323	anguina (Parr), Pfr.
(1595)	leucostigma, Zieg.
3324	3 bulimella, Paul.
3325	4 marsicana, Tib.
3326	5 vestina, Tib.
(1600)	solida, Drap.
3327	1 machuriana, Risso.
3328	2 cajetana, Rossm.

Clausilia, Draparnaud.—continued.

(Papillifera, Boettger.)—continued.

- (1601) bidens, Lin.
 3329 1 circinata, Paul.
 3300 2 vitrea (Stentz.), Ant.
 (1603) virgata, Jan.
 3331 4 transitans, Paul.
 3332 agrigentina, Bgt.
 3333 catalonica, Fagot.
 3334 punica, Bgt.
 (Gracilaria, Bielz.)
 (1610) corynodes, Held.
 3335 1 saxatilis (Mouss), A. Schm.
 (1613) filograna (Z.), Mouss.
 3336 a. polita, Kim.
 3337 1 transylvanica, Bielz.
 3338 2 catarrhactæ, Bielz.
 3339 3 grandis (Haz.), Cless.
 3340 4 polita, Kim.
 (Cusmicia, Brusina.)
 (1619) villæ, Mühlf.
 3341 1 brembina, Strob.
 (1623) parvula, Stud.
 3342 a. major.
 3343 b. minor.
 3344 c. minima, Pfr.
 monst. dextrorsa.
 3345 1 agrestis, M. Tand.
 3346 approximans (Z.), A. Schm.
 (1626) dubia, Drap.
 3347 8 gobanzi (Parr), Pfr.
 3348 9 transciniensis, Brancs.
 3349 10 maxima, Brancs.
 3350 11 carpathica, Brancs.
 3351 a. minima, Brancs.
 3352 b. costata, Brancs.
 3353 12 fagotiana, Bgt.
 3354 13 schlechti (Zel.), A. Schm.
 3355 14 albicillata (Parr), West.
 3356 15 compar (Z.), West.
 3357 16 longobardica, Pini.
 3358 17 alpicola, Cless.
 3359 18 sordillii, Adams.
 3360 19 affinis, Zgt.
 3361 20 ambigua, Zgt.
 3362 21 conformata, Zgt.
 (1636) bidentata, Ström.
 3363 4 exigua, West.
 3364 5 elongata, Cless.
 3365 6 maratzii, Stentz,

Clausilia, Draparnaud.—continued.

(Cusmicia, Brusina.)—continued.

- 3366 7 obtusa, Parr.
 3367 8 circinata, Paul.
 3368 9 albida.
 (1640) rugosa, Drap.
 (1643) 3 crenulata, Risso.
 3369 a. isseli, Villa.
 3370 4 pinii, West.
 3371 5 advena, Zieg.
 3372 b. oceanica, Zieg.
 (1646) cruciata, Studer.
 3373 2 triplicata (Hn), A. Schm.
 (1648) pumila (Z.), C. Pfr.
 3374 1 fuscosa (Parr), A. Schm.
 3375 2 leptostoma (Parr), A. Schm.
 (Pirostoma, Vest.)
 (1655) tumida (Z.), Kust.
 3376 a. minor, Scholtz.
 3377 1 sobrina, West.
 (1652) ventricosa, Drap.
 3378 2 ophthalmica, Zieg.
 (1656) lineolata, Held.
 (1658) 2 basileensis (Fitz.), Gred.
 3379 b. attenuata (Z.), Rossm.
 3380 3 mellæ, Stab.
 (1665) plicatula, Drap.
 3381 a. elongata, A. Schm.
 3382 b. rusiostoma, Held.
 3383 4 roscida (Stud.), A. Schm.
 3384 5 inuncta (Mühlf.), Pfr.
 3385 6 senex, West.
 3386 7 attenuata, West.
 3387 8 convallicola, West.
 3388 9 alpestris, Cless.
 3389 10 plicatulina, Pini.
 3390 11 schwabi, Zel.
 3391 12 vulgaris, Pini.
 3392 13 mellæ, Marts.
 3393 14 sororcula, de Stef.
 (1669) latestriata (Bz.), A. Schm.
 3394 a. minor.
 3395 1 borealis, Bttg.
 (Serrulina, Mouss.)
 (1676) serrulata (Midd.), Pfr.
 3396 1 erivanensis, Iss.
 Fam. VI.—*Stenogyridæ.*
Stenogryra, Shuttleworth.
 (1678) decollata, Lin.

Stenogyra, Shuttleworth.—continued.

- 3397 2 maura, Crosse.
 3398 3 saharica, Deb.
 3399 4 fasciolata, Bgt.
Cionella, Jeffreys.
 (Zua, Leach.)
 (1680) lubrica, Müll.
 3400 4 minima, Btg.
 (Azeca, Leach.)
 (1685) tridens, Pult.
 3401 a. crystallina.
 3402 monodonta, Fol. and Bér.
(Hypnophila, Bourguignat.)
 3403 zakynthia, Roth.
(Ferussacia, Risso.)
 3404 amauronia, Bourg.
 3405 proechia, Bourg.
 3406 oranensis, Bourg.
 3407 montana, Bourg.
 3408 carnea, Risso.
 3409 microxia, Bourg.
 (1708) gracilenta, Morel.
 3410 a. major.
 3411 abia, Bourg.
(Coelestele (Bens), Bourguignat.)
 3412 lævigata, Bourg.
 3413 hispanica, Bourg.
 3414 servaini, Bourg.
(Howenwarthia, Bourguignat.)
 3415 paladilhi, Bourg.

Fam. VII.—Succineidæ.**Succinea, Draparnaud.**

- (1733) putris, Lin.
 3416 10 bavarica, Cless.
 3417 11 grandis, Hazay.
 3418 12 westerlundiana, Hazay.
 3419 13 perfecta (Haz.), Cless.
 3420 14 charpyi, Baud.
 3421 15 albianica, Hazay.
 3422 stagnalis, Gass.
 3423 ægyptiaca, Ehrbg.
 (1746) hungarica, Hazay.
 3424 1 hasta, Hazay.
 (1748) elegans, Risso.
 3425 5 strepholena, Bourg.
 3426 6 baudoniana, Pini.
 (1754) debilis (Morel), Pfr.
 3427 a. virescens, Morel.
 3428 martensiana, Noll.

Succinea, Draparnaud.—continued.

- 3429 hordacea, Jouss.
 3430 dupuyana, Bourg.
 (1755) pfeifferi, Rossm.
 3431 7 intricata, Paul.
 3432 8 brevispirata, Baud.
 3433 9 microstoma, Cless.
 3434 10 diphya, West.
 3435 lutetiana, Mab.
 (1766) arenaria, Bouch.
 3436 1 brachya, Bourg.

Sub-Order II.—Hygrophila, Fer.**Fam. I.—Auriculidæ.****Carychium, Müller.**

- (1766) minimum, Müll.
 3437 1 inflatum, Hartm.
Zospeum, Bourguignat.
 3438 schmidti, Frfld.
 (1776) reticulatum, Hauffen.
 3439 1 bidentata, Hauff.

Fam. II.—Limnoïdæ.**Amphipeplea, Nilsson.**

- (1780) glutinosa, Müll.
 3440 1 anceyi, Bourg.
Limnæa (Brug.), Rang.
 (1781) stagnalis, Lin.
 3441 6 raphidia, Bourg (=subula, Parr.).
 3442 7 vulgaris, West.
 3443 8 ampliata, Cress.
 3444 9 producta, Colbean.
 3445 10 palustriformis, Kobelt.
 3446 11 fucinensis, Paul.
 3447 12 turgida, Menke.
 3448 13 borealis, Bourg.
 3449 14 angulosa, Cless.
 (1785) 1 lacustris, Studer.
 3450 1 bodamica, Cless.
 3451 15 bottnica, Cless.
 3452 16 baltica, Lindstr.
 (1787) auricularia, Lin.
 3453 2 canalis, Villa.
 3454 3 contracta, Cless.
 3455 4 cærulea, Cless.
 3456 tumida, Held.
 (1790) mucronata, Held.
 3457 2 rubella, Cless.

Limnæa (Brug.), Rang.—continued.

- 3458 3 alpestris, Cless.
 (1793) lagotis, Schr.
 3459 4 attica, Roth.
 3460 5 anderssoni, Cless.
 (1797) ovata, Drap.
 3461 8 fontinalis, Stud.
 3462 9 marginata, Mich.
 3463 10 patula, Da Cost.
 3464 11 sericata, West.
 3465 12 amnicola, West.
 3466 13 succinea, Nilss.
 (1807) peregra, Müll.
 3467 23 peregro-ovata, Rossm.
 3468 24 apricensis, Ad.
 3469 25 excerpta, Hn.
 3470 26 alpicola, West.
 3471 27 ambigua, West.
 3472 28 blauneri, Sh.
 3473 29 fulva (Z.), F. Schm.
 3474 30 meta, West.
 (1820) (13) nivalis, Pini.
 3475 1 glacialis, Pini.
 3476 31 microstoma, Kobelt.
 3477 32 brandisi, Brancs.
 3478 33 diaphana, Zieg.
 3479 34 anomala, Cless.
 3480 35 rimata, Bra.
 3481 36 solidula, Hartm.
 3482 37 nitida, Zieg.
 3483 38 æthiopica, De Betta.
 impura, Trosch. (type not in coll.)
 3484 1 oxiana, Btg.
 (1830) palustris, Müll.
 3485 7 pellucida, Roff.
 3486 8 fallaciosa, Roff.
 3487 9 maritima, Cless.
 (1837) turricola, Held.
 3488 1 transsylvania, Kim.
 (1844) truncatula, Müll.
 3489 3 maximella, Colb.
 3490 4 microstoma (Drt.), Baud.
 3491 monst. subangulata, Bofill.

Planorbis, Guettard.

- (1849) corneus, Lin.
 3492 1 etruscus, Bourg.
 3493 2 tacitianus (Let.), Serv.
 3494 stenostoma, Bourg.
 (1853) metidjensis, Forbes.
 (1854) 1 dufouri, Graills,

Planorbis, Guettard.—continued.

- 3495 a. algerica, Bourg.
 3496 2 aclopus, Bourg.
 3497 boissyi, Pot. and Mich.
 (1855) umbilicatus, Müll.
 3498 d. subcarinatus, Kobelt.
 3499 3 arethusæ, Cless.
 (1861) vortex, Lin.
 3500 2 compressus, Mich.
 3501 3 discoides, Reinh.
 (1868) leucostoma, Mill.
 3502 b. perizii (Graëlls), Dup.
 3503 dazuri, Mörch.
 3504 a. hazayana, Cless.
 (1871) albus, Müll.
 3505 a. hispidus, Drap.
 3506 socius, West.
 3507 arcticus, Beck.
 3508 brondeli, Raym.
 3509 janinensis, Mouss.
 3510 ehrenbergi, Beck.
 3511 thermalis, West.
 3512 devians, Porro.
 3513 euphæus, Bourg.
 (1888) nitidus, Müll.
 3514 1 distinguendus, Gredl.
 3515 alexandrinus, Ehrbg.
Ancylus, Geoffroy.
 (1891) fluvialis, Müll.
 3516 a. fabräi, Dup.
 3517 b. riparia, Desmarest.
 3518 4 meridionalis, Bk.
 3519 5 westerlundi, Cless.
 3520 epipedus, Bourg.
 3521 striatus, Gu. and Gain.
 3522 vitraceus, Morel.
 (1900) pileolus, Fér.
 3523 1 tinei, Bourg.
Fam. III.—Physidæ.
Physa, Draparnaud.
 (1902) fontinalis, Lin.
 3524 1 bulla, Müll.
 3525 2 coronadei, Serv.
 (1903) acuta, Drap.
 3526 3 mamotica, Gulia.
 3527 4 gibbosa, Moq. Tand.
 3528 achajæ, West.
 (1907) contorta, Mich.
 3529 1 brochii, Ehrbg.

Physa, Draparnaud.—continued.

- 3530 2 truncata, Féér.
 3531 3 cyanea, Ben.
 3532 4 aradæ, Ben.
 3533 forskali, Ehrbg.

Order II.—Prosobranchiata.*Sub-Order I.—Pectinibranchiata.**TÆNIOGLOSSA.**Fam. I.—Acemidæ.***Acme, Hartmann.**

- (1912) lineata, Hartmann.
 3534 a. alba.
 3535 moutoni, Dup.

*Fam. II.—Cyclostomidæ.***Pomatias, Studer.**

- (1917) scalarinus, Villa.
 3536 1 schmidti (De Betta), West.
 3537 oostoma, West.
 (1922) striolatus, Porro.
 3538 1 dephilippi, Pini.
 (1935) partioli, Moq. Tand.
 3539 1 crosseanus, St. Simon.
 3540 martorelli (B.), Serv.
 (1935) septemspiralis, Raz.
 3541 2 gardensis, Pini.
 3542 3 bosniacus, Bttg.
 (1940) auritus (Z.), Rossm.
 3543 1 chelys, West.
 3544 2 meridionalis, Bttg.
 3545 achaiacus, Bttg.
 3546 corcyrensis, West.
 (1941) tessellatus, Wiegm.
 3547 1 griseus, Mouss.
 3548 pontebbanus, Stoss.
 3549 henoni, Bourg.
 3550 tunetanus, Let. and Bourg.
 3551 perseianus, Kobelt.
 3552 1 ziguensis, Kobelt.
 3553 atlanticus (Let.), Bourg.
 3554 rugosus, Cless.
 3555 tortivus, West.
 3556 banaticus (Fag.), West.
 3557 subalpinus, Pini.
 3558 valsabinus, Pini.
 3559 stabilei, Pini.

Pomatias, Studer.—continued.

- 3560 reconditus, Pini.
 3561 sospes, West.
 3562 alleryanus, Paul.
 3563 sardous (Maltz), West.
 (1961) philippianus, Gredl.
 3564 1 pachystoma, Gredler.
 (1963) henricæ, Strob.
 3565 1 glaucina, Gredl.
 3566 stossichi, Cless.
 3567 gronovianus, Stoss.
 3568 liburnicus, Hirc.
 3569 montserraticus, Bourg.
 3570 montsicci, Fagot.
 3571 nogueræ, Fagot.
 3572 pachycheilus, West.
 3573 pechaudi, Bourg.
 3574 prevaldianus, Stoss.

Cyclostoma, Draparnaud.

- (1970) sulcatum, Drap.
 3575 3 ischuraulaxum, Fagot.
 3576 a. candidum, Fagot.
 3577 4 siculum, Sow.
 3578 lutetianum, Bourg.
 3579 scrobiculatum, Mouss.

*Sub-Order II.—Hydrophila.**Fam. I.—Paludinidæ.***Paludina, Lamarck.**

- 3580 acerosa, Bourg.
 3581 unicolor, Oliv.
 (1981) vivipara, Lin.
 3582 1 pyramidata, Rossm.

Cleopatra, Troschel.

- (1986) bulimoides, Oliv.
 3583 1 vexillata (Parr), Marts.
 3584 verreuxiana, Bourg.
 3585 1 ægyptiaca (Mühlf.), West.

*Fam. II.—Bythiniidæ.***Bythinia, Leach.**

- (1993) leachi, Sheppard.
 3586 1 italicica, Paul.
 3587 villæ, Sandr.
 3588 adriatica, Let.
 3589 goryi, Bourg.
 3590 mostarensis, Mlldf.
 (2001) rubens, Mouss.
 3591 1 anapensis, Ben.
 3592 sennarica (Parr), Kust.

*Fam. III.—Rissoidæ.**Paludinella, Rossmassler.**(Larretia, Bourguignat.)*

- 3593 charpyi, Pal.
 duveyrieri, Bourg.

- 3594 diaphana, Mich.

- 3595 1 vitrea, Dup.

(Hydrobia, Hartmann.)

- 3596 musaensis, Frfld.

- 3597 montenegrina, Frfld.

- 3598 steini, Marts.

- 3599 peracuta, Pal.

- 3600 conoidea, Reyn.

- 3601 ortigia, Ben.

- 3602 brondeli, Bourg.

- 3603 oranensis, Bourg.

- 3604 jenkinsi, E. Smith.

- 3605 1 carinata, E. Smith.

- (2012) aponensis, Marts.

- 3606 1 foxianensis, de Stef.

- 3607 maxima, Dybows.

- 3608 peraudieri, Bourg.

- 3609 acerosa, Bourg.

(Peringia, Paladilhe.)

- 3610 girardoti, Pal.

(Belgrandia, Bourguignal.)

- 3611 cazioti (Nic.), West.

- (2020) thermalis, Lin.

- 3612 1 minuta, Paul.

- 3613 controversa (Paul), Del. Pret.

- 3614 sequanica (Bourg.), Pal.

(Moitessieria, Bourguignat.)

- 3615 simoniana, Ch.

(Maresia, Bourguignat.)

- 3616 dolichia, Bourg.

*Paludinella, Mouss.**(Bythinella, Mog. Tandon.)*

- 3617 carinulata, Drt.

- 3618 subovata, Pal.

- 3619 chilodia, West.

- 3620 solidula, Brancs.

- (2034) opaca (Z.), Frfld.

- 3621 1 isseli, Gentilh.

- 3622 epirotica, Bttg.

- (2040) lacheineri (Ch.), Kust.

- 3623 3 apfelbecki, Brancs.

- 3624 croatica (Cl.), Hirc.

- 3625 redoubi, Bourg.

- 3626 punica, Let. and Bourg.

- 3627 challameliana, Bourg.

Paludinella, Mouss.—continued.*(Bythinella, Mog. Tandon.)*—continued

- 3628 rubiginosa, Boubée.

- 3629 sorgica, Cont.

- (2051) schmidti (Ch.), Kust.

- 3630 3 vitrea, Auct. plur.

- 3631 alta, Cless.

- 3632 1 bavarica, Cless.

- 3633 lata, Frfld.

- 3634 microcochlia, Let. and Bourg.

- 3635 robici, Cless.

- 3636 turgidula, Pal.

(Pseudamnicola, Paul.)

- 3637 spirata, Pal.

- 3638 compacta, Pal.

- 3639 melitensis, Pal.

- 3640 siculina, Ben.

- 3641 virescens, Kust.

- 3642 valvatiformis, Mlldf.

- 3643 pycnocheilia, Bourg.

- 3644 constantinæ, Let.

- 3645 pomariensis, Let.

- 3646 picnolena, Bourg.

- 3647 lutea, Bourg.

- 3648 pygmæa, Mich.

- 3649 lininoides, Paul.

- 3650 benoiti, Marts.

- 3651 fusca, Marts.

- 3652 globulinus, Marts.

- 3653 raddei, Bttg.

Lithoglyphus, Mühlfort.

- (2077) naticoides (Fér), C. Pfr.

- 3654 2 berolinensis, West.

- (2079) fluminensis (Sadler), Schm.

- 3655 1 sadlerianus (Schm.), Hauff.

Emmericia, Brusina.

- (2086) patula, Brum.

- 3656 b. scalaris, Neum.

- 3657 mostariensis, Stoss.

- 3658 montenegrina (Let.), Bourg.

- 3659 fluminensis, Stoss.

*Fam. IV.—Melanidæ.**Melania, Lamarck.*

- (2094) holandre, Fér.

- 3660 6 semiplicata, Brus.

- 3661 7 pilariana, Bourg.

- 3662 8 thessala, Bttg.

- 3663 9 letourneuxi, Bourg.

- 3664 crassa, Kutsch.

Melanopsis, Féruccac.

- (2100) acicularis, Fér.
 3665 2 aciculella (Z.), Schm.
 3666 3 peracuta, Bourg.
 3667 4 stossichiana, Bourg.
 3668 5 biharensis (Haz.), Cless.
 (2102) esperi, Fér.
 3669 2 pfeifferi, Bourg.
 (2104) præmorsa, Lin.
 3670 1 sphæroidea, Bourg.
 3671 2 saharica, Bourg.
 (2112) costata, Olivii.
 3672 2 moraldi, Zieg.
 3673 3 irregularis, Mouss.
 3674 kotschiyi (v.d. Buck), Phil.
 3675 stussineri, Bttg.
 guiraoi, Bourg. (type not in coll.)
 3676 1 scalaris, Gass.
 3677 hammanensis, Gass.
 3678 maresi, Bourg.
 3679 tunetana, Morel.

Fam. V.—Valvatidæ.**Valvata, Müller.**

- 3680 lacustris, Cless.
 (2128) piscinalis, Müll.
 3681 1 kliniensis, Milasch.
 3682 discors, West.
 3683 obtusa, Studer.
 3684 depressa, C. Pfr.
 3685 naticina, Menke.
 3686 umbilicata, Fitz.
 3687 pulchella, Studer.
 (2136) cristata, Müll.
 3688 1 spirorbis, Drap.

Sub-Order II.—Scutibranchiata.**Rhipidoglossa.****Fam. Neritinidæ.****Neritina, Lamarck.**

- (2139) jordani, Sow.
 3689 2 turris, Mouss.
 (2141) anatolica, Recluz.
 3690 b. hausknæhti, Marts.
 (2148) fluviatilis, Lin.
 (2150) 2 littoralis, Bk.
 3691 a. baltica, Bk.
 3692 11 transversalis (Z.), C. Pfr.
 3693 a. castanea, Zeleb.

Neritina, Lamarck.—continued.

- 3694 12 anapensis, Marts.
 3695 13 bourguinati, Recluz.
 (2163) meridionalis, Phil.
 3696 b. lutescens, Mühlf.
 3697 syriaca, Bourg.
 3698 a. ledereri, Zel.

Class II.—PELECYPODA.**Order I.—Tetrabranchia.****Sub-Order.—Submytilacea.****Fam. Unionidæ.****Unio, Retzius.**

- 3699 auricularis, Speng.
 3700 letourneuxi, Bourg.
 3701 kochi, Kobelt.
 3702 oriliensis, Stab.
 3703 vicarius, West.
 3704 desectus, Drt.
 3705 gangrenosus (Z.), J. F. Schm.
 3706 mancus, Lam.
 3707 macrorhynchus, Bourg.
 3708 brianteus, Pini.
 3709 blaunera, Stab.
 3710 vulgaris, Stab.
 3711 falsus, Bourg.
 3712 larius, Drt.
 3713 proechus, Bourg.
 3714 jonicus, Bl.
 3715 aradasi, Phil.
 3716 villæ, Stab.
 3717 turtoni, Payr.
 3718 borcherdingi, Bourg.
 3719 tristrami, Loc.
 3720 eucirrus, Bourg.

Anodonta, Cuvier.

- 3721 delpretii, Bourg.
 3722 mouliniana, Dup.
 3723 balatonica, Serv.
 3724 sturmi, Bourg.
 3725 alseria, Drt.
 3726 potiezi, Bourg.
 3727 pachyproktus, Borcherd.
 3728 microptera, Borcherd.
Spatha, Lea.
 3729 caillaudi, Martens.

*Sub-Order.—Conchacea.**Fam. Cyrenidæ.**Corbicula, Mühlfeldt.*

3730 ægyptiaca, Bourg.

Sphaerium, Scopoli.

3731 ovale, Fér.

3732 wildi, Cless.

3733 mamillatum, West.

3734 duplicatum, Cless.

3735 westerlundi, Cless.

3736 brochonianum, Bourg.

3737 1 deshayesianum, Haz.

Pisidium, C. Pfeiffer.

(2292) nitidum, Jeff.

3738 1 splendeus, Jeff.

(2294) fontinale, C. Pfr. = fossarinum, Cless.

3739 1 areolatum, Cless.

(2297) casertanum, Poli.

3740 1 australis, Phil.

3741 2 gassiesianum, Dup.

3742 3 cinereum, Alder.

3743 sordillianum, Cless.

3744 ovatum, Cless.

3745 pallidum, Gass.

3746 subtruncatum, Malm.

3747 1 cuneatum, Bielz.

MOLLUSCA OF THE MADEIRAN PROVINCE.

SUPPLEMENT.

Class.—GASTEROPODA.

Order.—Pulmonata.

Sub-Order I.—*Geophila.**Fam. I.—Limacidæ.**Limax, Linné.*

(51) gagates, Drap.

Arion, Féussac.

(170) ater, Lin.

Vitrina, Draparnaud.

3748 brumalis, Morel.

3749 brevispira, Morel.

Hyalinia, Agassiz.

3750 circumcessa, Shutt.

*Fam. II.—Helicidæ.**Helix, Linné.*

(Campylaea, Beck.)

(2318) portosanctana, Sow.

3751 1 cimensis, Woll.

(Cryptaxis, Lowe.)

3752 vulcanica, Lowe.

Helix, Linné.—continued.

(Leptaxis, Lowe.)

erubescens, Lowe.

3753 2 advenoides, Paiva.

3754 azorica, Albers.

(Hemicycla, Sowerby.)

3755 guanartenes, Grass.

3756 malleata, Fér.

3757 glasiana, Shutt.

(Plebecula, Lowe.)

(2350) nitidiuscula, Sow.

3758 1 hartungi, Albers.

(Placentula, Lowe.)

3759 tæniata, Webb and Bar.

3760 micromphala, Lowe.

(Gonostoma, Lowe.)

3761 fortunata, Shutt.

(Hystricella, Lowe.)

3762 leacockiana, Woll.

(Discula, Lowe.)

(2393) polymorpha, Lowe.

3763 8 arenicola, Lowe.

(Coronaria, Lowe.)

3764 watsoni, J. Y. Johnson.

Helix, Linné.—continued.

(Lemniscia, Lowe.)

- 3765 tumulorum, Webb and Bar.
 3766 woodwardia (Tern.), Mouss
 3767 monilifera, Webb and Bar.

*Fam. III.—Pupidæ.***Bulimus, Scop.**

- 3768 sancta-marionus, Morel.
 3769 hartungi, M. and D.
 3770 delibutus, M. and D.
 3771 guerreanus, Grass.
 3772 variatus, Webb and Bar.
 3773 myosotis, Webb and Bar.
 3774 propinquus, Shutt.
 3775 bæticatus, Fér.
 3776 tarnerianus, Grass.
 3777 tabidus, Shut.
 3778 anaga, Grass.
 3779 obesatus, Fér.
 3780 bertheloti, Pfeiff.
 3781 consecuanus, Mouss.

Pupa, Drap.

(Gibbulina, Beck.)

- 3782 dealbata, Webb and Bar.

Pupa, Drap.—continued.

(Scarabella, Lowe.)

- 3783 cassida, Lowe.
 3784 (Liostyla, Lowe.)
 3785 fuscidula, Morel.
 3786 fasciolata, Morel.
 3787 tessellata, Morel.
 3787 (Craticula, Lowe.)
 3787 vermiculosa, Morel.

*Sub-Order II.—Hygrophila.**Fam. Limnæidæ.***Limnæa, Drap.**

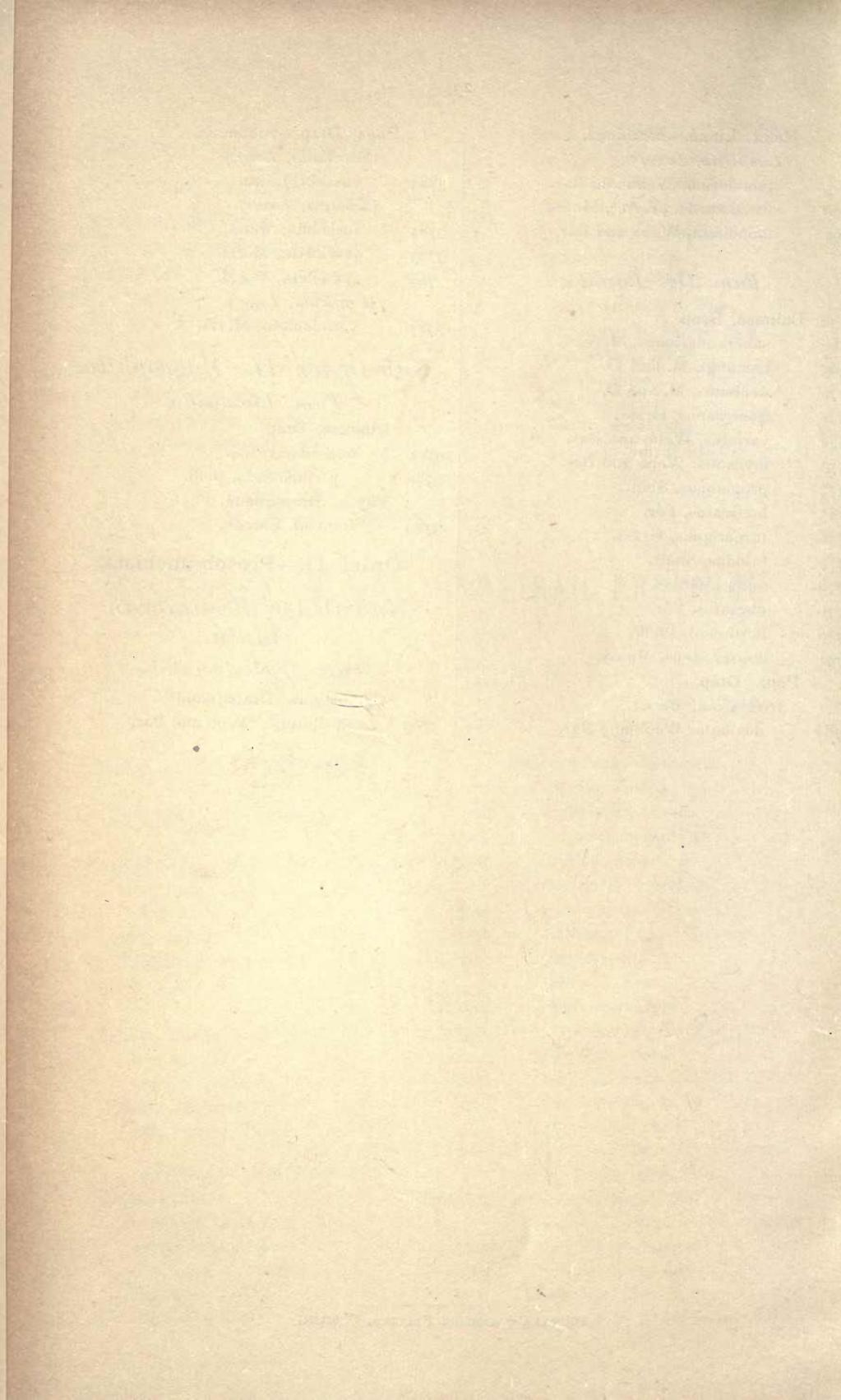
- (1787) auricularia, Lin.
 3788 5 ribeirensis, Beib.

Physa, Draparnaud.

- 3789 forskali, Ehrenb.

*Order II.—Prosobranchiata.**Sub-Order Pectinibranchiata.**Fam. Cyclostomatidæ.***Cyclostoma, Draparnaud.**

- 3790 lævigatum, Webb and Bar.



With the Compiler's Compliments.

MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN,

M.A., D.C.L., F.R.S., F.L.S., &c.



VII. SPONGOZOA.

VIII. RHIZOPODA.



PRINTED FOR PRIVATE DISTRIBUTION.

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* This word has been employed in a somewhat different sense; but I use it as an appropriate name for a section of the Cœlenterata, which embraces as other sections the Actinozoa and Hydrozoa.

PREFATORY NOTES.

The North Atlantic is here regarded as limited by lat. 35° N., or as extending a little to the South of the Strait of Gibraltar on the Eastern and to about Cape Hatteras on the Western side.

All the Sponges of the following lists were found within the area thus embraced, but some of the Foraminifera are from the more tropical parts of the Atlantic, these are indicated by an (*) placed before the number. Most of them may, however, be expected to be found hereafter North of lat. 35° on the Western side of the Atlantic.

The nomenclature of the Sponges is at present in deplorable confusion. To properly synonymize the species of the following lists would require years to be devoted to their examination and study. Moreover, since the value of the present collection consists in the fact that almost all the representatives in it are types or portions of types, and on this account most important for future reference, I have retained throughout the nomenclature of the respective describers, who have named the species.

The British Calcarea, collected by myself, were used both by Dr. Bowerbank and by Prof. Haeckel in the preparation of their works ; and the Siliceous Sponges all passed through the hands of the former, and are for the most part mentioned in his monograph, while a large number of them are, at the present time, unique types. The remaining portion of this collection embraces specimens or sections and mountings of the spicula of types for which I am indebted to almost every author who has written on the Sponge-fauna of the Atlantic and Arctic oceans.

I shall be much obliged to any naturalists who can in the future help to extend the collection in a similar manner, and to whom in return I shall be glad to send specimens or mountings of types. It will be seen that this collection is very rich in Northern Sponges, but there are about one hundred described Mediterranean species absent from it, nor have I those European freshwater forms, which are not found in England.

The freshwater Rhizopoda have all been received from M. Penard, and I have therefore thought it best strictly to follow the nomenclature of his work, "*Etudes sur les Rhizopodes d'eau douce, 1890.*"

The marine Rhizopoda, or Foraminifera, are named in accordance with the great work on the "Challenger" Foraminifera by my late lamented friend, Dr. H. B. Brady. They are partly the product of my own dredgings carried out on almost every part of the coast of our islands, and of excursions during four summers to Norway and Finmark; and partly the results of the examination of material kindly supplied to me from the "Porcupine," "Knight Errant," "Triton," "Valorous," and "Challenger" expeditions. A few species have been added by the kindness of friends, chiefly by the late Dr. H. B. Brady, Mr. Joseph Wright, and the Royal Museum of Stockholm (Dr. Goës).

The Atlantic and Arctic Foraminifera are very fully represented, but I have very few forms from the Mediterranean, in which sea, indeed, they have been little studied, while the species of the North-East American coast have not as yet received any attention.

Letters should be addressed—

BURNMOOR RECTORY,
FENCE HOUSES,
Co. DURHAM.

Catalogues already published :—

- { I.—ECHINODERMATA.
- II.—PANTOPODA.
- III.—CRUSTACEA.
- { IV.—MOLLUSCA MARINA.
- V.—BRACHIOPODA.
- VI.—MOLLUSCA TERRESTRIA ET FLUVIATILIA.

June 1, 1892.

MUSEUM NORMANIANUM.

VII.—SPONGOZOA (= PORIFERA).

I.—Order—CALCAREA.

In the following Calcarea the appended letters mean :—

B.—British specimens first determined by Dr. Bowerbank, and secondly used and referred to by Prof. Haeckel in his monograph.

C.—Specimens received from the Copenhagen Museum.

H.—Specimens received from Prof. Haeckel.

Han.—Mounting of Spicules received from Mr. Hanitsch.

N.—Specimens received from the Zoological Station, Naples.

S.—Specimens received from Prof. O. Schmidt.

Fam. I.—Ascones.

Ascetta, Haeckel.

- 1 primordialis, Haeckel *Z.*
- 2 coriacea, Mont. *B.H.*
- 3 clathrus, O. Schmidt *H.N.*
- 4 blanca, Haeckel *N.*

Ascaltis, Haeckel.

- 5 botryooides, Ell. and Sol. *B.*
- 6 cerebrum, Haeckel *H.*

Ascortis, Haeckel.

- 7 lacunosa, Bean. *B.*

Ascandra, Haeckel.

- 8 reticulum, O. Schmidt *S.*
- 9 contorta, Bow. *B.*
- 10 complicata, Mont. *B.*
- 11 botrys, Haeckel *B.*
- 12 variabilis, Haeckel *B.H.*

Fam. II.—Leucones.

Leucaltis, Haeckel.

- 13 pumila, Bow. *B.*
- 14 solida, O. Schmidt *H.N.*

- 15 impressa, Hanitsch *Han.*
- 16 Leucandra, Haeckel.
- 17 Egedii, Haeckel *C.*
- 18 Gossei, Bow. *B.*
- 19 crambessa, Haeckel *H.*
- 20 aspera, O. Schmidt *H.N.*
- 21 fistulosa, Johnst. *B.*
- 22 ananas, Mont. *B.*
- 23 nivea, Grant *B.H.*
- 24 Johnstoni, Carter *B.*
- 25 stiligera, Haeckel *C.*

Fam. III.—Sycones.

Sycortis, Haeckel.

- 25 quadrangulata, O. Schmidt *B.*
- 26 Sycandra, Haeckel.
- 27 ciliata, O. Fab. *B.H.*
- 28 raphanus, O. Schmidt *H.N.*
- 29 capillosa, O. Schmidt *S.*
- 30 elegans, Bow. = tessellata, Bow. *B.H.N.*
- 31 hystrix, Haeckel *N.*
- 32 utriculus, O. Schmidt *B.*
- 33 villosa, Haeckel *B.*
- 34 arctica, Haeckel *C.*
- 35 glabra, O. Schmidt = ensata, Bow. *B.H.N.*
- 35 compressa, O. Fab. *B.*

Poléjaeff, in his report on the Calcarea of the "Challenger" expedition, would place the whole of the *Ascones* of the preceding list in the genus *Leucosolenia*, Bow.; the whole of the *Leucones* in *Leuconia*, Bow.; *Sycandra compressa* in *Grantia*, Fleming; *Sycandra glabra* in *Ute*, O. Schmidt, and the remaining *Sycandreae* and *Sycortis* in *Sycon*, Rissö. R. von Lindenfeld, in his work just published, "Die Spongien der Adria," distributes the Calcarea in twenty-one genera.

II.—BRITISH SPONGES.

(Bowerbank's nomenclature.)

Order—Silicea.

- Pachymatisma, Bowerbank.**
- 36 *Johnstonia*, Bow.
- Normania, Bowerbank.**
- 37 *crassa*, Bow.
- Ecionemia, Bowerbank.**
- 38 *compressa*, Bow.
- 39 *ponderosa*, Bow.
- Polymastia, Bowerbank.**
- 40 *robusta*, Bow.
- 41 *brevis*, Bow.=*Quasillina brevis*,
 Norman.
- 42 *spinula*, Bow.
- 43 *mamillaris*, Müll.
- 44 *conigera*, Bow.
- Ciocalypta, Bowerbank.**
- 45 *penicillus*, Bow.
- Tethya, Lamarck.**
- 46 *cranium*, Müll.
- 47 *Collingsii*, Bow.
- 48 *Schmidti*, Bow.
- 49 *lynchurium*, Lin.
- 50 *spinularia*, Bow.
- Halicnemia, Bow.**
- 51 *patera*, Bow.
- Dictyocylindrus, Bow.**
- 52 *stuposus*, Mont.
- 53 *ramosus*, Mont.
- 54 *radiosus*, Bow.
- 55 *Howsei*, Bow.
- 56 *hispidus*, Mont.
- 57 *aculeatus*, Bow.
- 58 *fascicularis*, Bow.
- 59 *virgultosus*, Bow.
- 60 *pumilus*, Bow.
- 61 *rugosus*, Bow.
- 62 *rectangulus*, Bow.
- Phakellia, Bow.**
- 63 *robusta*, Bow.
- 64 *ventilabrum*, Lin.
- Microciona, Bow.**
- 65 *fictitia*, Bow.
- 66 *Kentii*, Bow.
- 67 *tumulosa*, Bow.
- 68 *simplicissima*, Bow.
- 69 *fallax*, Bow.
- 70 *armata*, Bow.

Microciona, Bow.—continued.

- 71 *ambigua*, Bow.
- 72 *plumosa*, Mont.
- 73 *atrasanguinea*, Bow.
- Hymeraphia, Bow.**
- 74 *vermiculata*, Bow.
- 75 *clavata*, Bow.
- 76 *stellifera*, Bow.
- 77 *simplex*, Bow.
- 78 *coronula*, Bow.
- Hymedesmia, Bow.**
- 79 *occulta*, Bow.
- 80 *radiata*, Bow.
- 81 *indistincta*, Bow.
- 82 *pansa*, Bow.
- 83 *pilata*, Bow.
- 84 *pulchella*, Bow.
- 85 *stellata*, Bow.
- 86 *simplicissima*, Bow.
- 87 *tenuicula*, Bow.
- 88 *zetlandica*, Bow.
- Hymeniacidon, Bow.**
- 89 *albescens*, Johnst.
- 90 *Thomasii*, Bow.
- 91 *coccineus*, Bow.
- 92 *perarmatus*, Bow.
- 93 *membrana*, Bow.
- 94 *firmus*, Bow.
- 95 *placentula*, Bow.
- 96 *armiger*, Bow.
- 97 *Brettii*, Bow.
- 98 *fragilis*, Bow.
- 99 *reticulatus*, Bow.
- 100 *fallaciosus*, Bow.
- 101 *tegeticula*, Bow.
- 102 *solidus*, Bow.
- 103 *perlævis*, Mont.
- 104 *crustula*, Bow.
- 105 *caruncula*, Bow.
- 106 *sanguineus*, Grant.
- 107 *mammeatus*, Bow.
- 108 *consimilis*, Bow.
- 109 *macilentus*, Bow.
- 110 *fallax*, Bow.
- 111 *virgultosus*, Johnst.
- 112 *radiosus*, Bow.
- 113 *medius*, Bow.
- 114 *virgulatus*, Bow.
- 115 *viridans*, Bow.
- 116 *aureus*, Mont.

Hymeniacidon, Bow.—continued.

- 117 callosus, Bow.
 118 plumiger, Bow.
 119 subereus, Mont.
 120 carnosus, Johnst.
 121 gelatinosus, Bow.
 122 ficus, Johnst.
 123 sulphureus, Bean.
 124 celatus, Grant.
 125 claviger, Bow.
 126 tenebrosus, Bow.
 127 paupertas, Bow.
 128 Dujardini, (Johnst. ?) Bow.

Battersbyia, Bow.

- 129 Bucklandi, Bow.

Halichondria, Fleming.

- 130 caduca, Bow.
 131 inconspicua, Bow.
 132 incerta, Bow.
 133 coalita, Grant.
 134 mutulus, Bow.
 135 cylindracea, Bow.
 136 panicea, Pallas.
 137 angulata, Bow.
 138 edusa, Bow.
 139 ambigua, Bow.
 140 Robertsoni, Bow.
 141 condensa, Bow.
 142 coralloides, Bow.
 143 Thompsoni, Bow.
 144 forceps, Bow.
 145 simplex, Bow.
 146 subdola, Bow.
 147 foliata, Bow.
 148 corrugata, Bow.
 149 falcata, Bow.
 150 flabelligera, Bow.
 151 incrustans, Esper.
 152 candida, Bow.
 153 Dickiei, Bow.
 154 Pattersoni, Bow.
 155 pulchella, Bow.
 156 Ingalli, Bow.
 157 scandens, Bow.
 158 nigricans, Bow.
 159 expansa, Bow.
 160 virgea, Bow.
 161 granulata, Bow.
 162 farinaria, Bow.

Isodictya, Bow.

- 163 cinerea, Grant.
 164 permollis, Bow.
 165 mammeata, Bow.
 166 ramusculus, Bow.
 167 ferula, Bow.
 168 rosea, Bow.
 169 pygmæa, Bow.
 170 obscura, Bow.
 171 indefinita, Bow.
 172 indistincta, Bow.
 173 simplex, Bow.
 174 pocillum, Bow.
 175 luteosa, Bow.
 176 Peachii, Bow.
 177 varians, Bow.
 178 elegans, Bow.
 179 fallax, Bow.
 180 MacAndrewii, Bow.
 181 fistulosa, Bow.
 182 perplexa, Bow.
 183 densa, Bow.
 184 pallida, Bow.
 185 simulans, Johnst.
 186 Ingalli, Bow.
 187 incerta, Bow.
 188 crassa, Bow.
 189 Bowerbanki, Norman.
 190 pauperata, Bow.
 191 clava, Bow.
 192 jugosa, Bow.
 193 palmata, Johnst.
 194 truncata, Bow.
 195 infundibuliformis, Lin.
 196 dissimilis, Bow.
 197 invalida, Bow.
 198 Normani, Bow.
 199 coriacea, Bow.
 200 hispida, Bow.
 201 fucorum, Johnst.
 202 Alderi, Bow.
 203 Edwardii, Bow.
 204 paupera, Bow.
 205 uniformis, Bow.
 206 Clarkii, Bow.
 207 Bärleei, Bow.
 208 laciniosa, Bow.
 209 dubia, Bow.
 210 nodosa, Bow.
 211 involuta, Bow.

Isodictya, Bow.—continued.

- 212 pertenuis, Bow.
 213 scitura, Bow.
 214 collina, Bow.
 215 funalis, Bow.
 216 Hyndmanni, Bow.
 217 lurida, Bow.
 218 fimbriata, Bow.
 219 implicita, Bow.
 220 inæqualis, Bow.

Raphiodesma, Bowerbank.

- 221 floreum, Bow.
 222 lingua, Bow.
 223 simplicissimum, Bow.
 224 sordidum, Bow.
 225 fallaciosum, Bow.
 226 intermedium, Bow.

Spongilla, Linné.

- 227 fluviatilis, Pallas.
 228 Parfitti, Carter.
 229 lacustris, Donovan.

Desmacidon, Bowerbank.

- 230 fruticosus, Mont.
 231 Jeffreysii, Bow.=Oceanapia Jeffreysi,
 Norman.
 232 constrictus, Bow.
 233 pannosus, Bow.
 234 copiosus, Bow.
 235 cavernula, Bow.
 236 similaris, Bow.
 237 ægagrophilus, Scouler.

Raphyrus, Bowerbank.

- 238 Griffithsiæ, Bow.

Spongionella, Bowerbank.

- 239 pulchella, Sowerby.

Order—Keratosa.**Chalina, Grant.**

- 240 oculata, Pallas.
 241 Montagui, Fleming.
 242 gracilenta, Bow.
 243 limbata, Montagu.
 244 inornata, Bow.

Ophlitaspomgia, Bowerbank.

- 245 papilla, Bow.
 246 seriata, Grant.

Verongia, Bowerbank.

- 247 zetlandica, Bow.

Dysidea, Johnston.

- 248 fragilis, Montagu.
 249 coriacea, Bow.

III.—British Sponges, described by R. Hanitsch in “Third Report Porifera of L.M.B.C. District.” (Trans. Biol. Soc. Liverpool, vol. iv, 1890, p. 192).

Seiriola, Hanitsch.

- 250 compacta, Hanitsch.
Raspailia, Nardo.
 251 rigida, Montagu.
Axinella, O. Schmidt.
 252 mammillata, Hanitsch.
Halisarca, Johnston.
 253 rubra, Hanitsch.

IV.—Type Mountings of spicula of Cliona, described by Albany Hancock. (Ann. and Mag. Nat. Hist., ser. 2, vol. iii, 1849, p. 321, and ser. 3, vol. xix, 1867, p. 229.)

Cliona, Grant=Vioa, Nardo.

- (124) celata, Grant.
 254 gorgonoides, Hancock.
 255 Northumbrica, Hancock.
 256 vastifica, Hancock.
 257 corallinoides, Hancock.
 258 gracilis, Hancock.
 259 Howsei, Hancock.
 260 Alderi, Hancock.
 261 lobata, Hancock.
 262 globulifera, Hancock.
 263 canadensis, Hancock.
 264 angulata, Hancock.

V.—Sponges from the “Porcupine” Expedition, specimens or mountings.

Asconema, Kent.

- 265 setubalense, Kent.

Hyalonema, Gray.

- 266 lusitanicum, Bocage.

Pheronema, Leidz.

- 267 Carpenteri, W. V. Thom.

Aphrocallistes, Gray.

- 268 Bocagei, P. Wright.

Thenea, Gray.

- 269 muricata, Bow.

Pachastrella, O. Schmidt.

- 270 abyssi, O. Schmidt.

- Geodia, Lamarck.**
- 271 nodastrella, Carter.
- Corallistes, O. Schmidt.**
- 272 borealis, Carter.
- Arabescula, Carter.**
- 273 parasitica, Carter.
- Craniella, O. Schmidt.**
- (46) cranium, Müll.
- Corticium, O. Schmidt.**
- 274 abyssi, Carter.
- 275 parasiticum, Carter.
- Halichondria, Fleming.**
- 276 abyssi, Carter.
- Isodictya, Bowerbank.**
- 277 spinispiculum, Carter.
- Microciona, Bowerbank.**
- 278 planum, Carter.
- Hymeraphia, Bowerbank.**
- (74) vermiculata, Bow.
- Cladorhiza, M. Sars.**
- 279 abyssicola, M. Sars.
- 280 var. corticocancellata, Carter.
- Chondrocladia, Wvv. Thomson.**
- 281 virgata, Wvv. Thom.
- Stylocordyle, Wvv. Thomson.**
- 282 stipitata, Carter.
- Quasillina, Norman.**
- (41) brevis, Bow.
- Tentorium, Vosmaer.**
- 283 semisubrites, O. Schmidt.
- Halisarca, Dujardin.**
- 284 cruenta, Carpenter.
-
- VI.—Norwegian Sponges**, collected by myself, the Tetractinellida named by Sollas. I have also a very large collection of unexamined specimens.
- Craniella, O. Schmidt.**
- (46) cranium, Müll.
- Thenia, Gray.**
- (269) muricata, Bow.
- Normania, Bow.**
- (38) compressa, Bow.
- Dragmastra, Sollas.**
- 285 Normani, Sollas.
- Stryphnus, Sollas.**
- 286 rудis, Sollas.
- Pachymatisma, Bow.**
- 287 Normani, Sollas.
- Geodia, Lamarck.**
- 288 Barretti, Bow.
- Cydonium, Fleming.**
- 289 Normani, Sollas.
- Synops, Vosmaer.**
- 290 MacAndrewii, Bow.
- Isops, Sollas.**
- 291 phlegræi, Sollas.
- Tethya, Lamarck.**
- (49) lynceurium, Linné.
- Polymastia, Bowerbank.**
- (43) mamillaris, Müll.
- Trichostemma, M. Sars.**
- 292 hemisphæricum, M. Sars.
- Tentorium, Vosmaer.**
- (283) semisuburites, O. Schmidt.
- Quasillina, Norman.**
- (41) brevis, Bow.
- Alectona, Carter.**
- 293 Milleri, Carter.
- Tragosia, Gray.**
- (195) infundibuliformis, Linn.
- (207) Barleei, Bow.
- Phakellia, Bowerbank.**
- (64) ventilabrum, Linn.
- Axinella, O. Schmidt.**
- (61) rugosa, Bow.
- Forcepina, Vosmaer.**
- (144) forceps, Bow.
- Hamacantha, Gray.**
- (149) falcula, Bow.
- Melananchora, Carter.**
- 294 elliptica, Carter.
- Esperella, Vosmaer.**
- (222) lingua, Bow.
- Desmacidon, Bowerbank.**
- 295 crux, O. Sch.
- Rhaphidotheca, S. Kent.**
- 296 Marshall-Hallii, Kent.
- Cladorhiza, M. Sars.**
- 297 abyssicola, M. Sars.
- 298 pennatula, O. Sch.
- Hymeraphia, Bowerbank.**
- (74) vermiculata, Bow.
- Dysidea, Johnston.**
- (248) fragilis, Mont.

VII.—Portions of or mountings of Type Sponges, described by Dr. Vosmaer, from the Dutch Arctic Expeditions of 1878, 1879, 1880, and 1881, in the "Willem Barents."¹

Stelletta, O. Schmidt.		Stylocordyle, Lovén.
299 fortis, Vosm.	318	borealis, Lovén.
Isops, Sollas.	319	Reniera, O. Schmidt.
300 sphæroides, Vosm.	320	simplex, Hans.
Synops, Vosmaer.	321	oblonga, Hans.
301 pyriformis, Vosm.	322	velamentosa, Hans.
Tetilla, F. E. Schulze.	323	tubulosa, Hans.
302 polyura, O. Schmidt.	324	membranacea, Hans.
Polymastia, Bowerbank.	325	nivea, Hans.
303 capitata, Vosm.	(309)	pallescens, Hans.
Weberella, Vosmaer.	326	infundibuliformis, Hans.
304 bursa, Vosm.	327	complicata, Hans.
Tedania, Gray.		inflata, Hans.
305 suctoria, O. Schmidt.		Radiella, O. Schmidt.
Pachychalina, Vosmaer.	(292)	sol, O. Sch.
306 caulifera, Vosm.	328	Rinalda, O. Schmidt.
Cribrochalina, O. Schmidt.		uberrima, O. Sch.
307 variabilis, Vosm.		Thecophora, O. Schmidt.
308 var. salpingoides, Vosm.	(283)	semisuburites, O. Sch.
309 Sluiteri, Vosm.		Polymastia, Bowerbank.
Phakellia, Bowerbank.	(43)	penicillus, Mont.
310 Bowerbanki, Vosm.		Suberites, Nardo.
311 arctica, Vosm.	329	incrustans, Hans.
Artemisina, Vosmaer.	330	radians, Hans.
312 suberitoides, Vosm.	331	glabra, Hans.
Forcepina, Vosmaer.		Myxilla, O. Schmidt.
(144) bulbosa, Carter.	332	exigua, Hans.
Myxilla, O. Schmidt.	333	grisea, Hans.
313 Barentsi, Vosm.	334	brunnea, Hans.
Hamacantha, Gray.		Sclerilla, O. Schmidt.
314 papillata, Vosm.	335	arctica, Hans.
Gellius, Gray.	336	dura, Hans.
315 vagabundus, O. Sch.		Desmacidon, Bowerbank.
316 arcofer, Vosm.	337	clavatum, Hans.
317 infundibuliformis, Vosm.	338	nucleus, Hans.
—	339	giganteum, Hans.
	340	arcticum, Hans.
VIII.—Sections of Type Sponges, described from the Norwegian North Atlantic Expedition, 1876-8, received from Dr. G. Armauer Hansen. ²		Esperia, Nardo.
	341	bihamatifera, Carter.
		Cladorhiza, M. Sars.
	(297)	abyssicola, M. Sars.
		Geodia, Lamarck.
	342	parva, Hans.
		Tethya, Lamarck.
	(46)	cranium, Müll.
	343	var. infrequens, Cart.
		Thenea, Gray.
	(269)	muricata, Bow.
		Hyalonema, Gray.
	344	arcticum, Hans.

¹ Vosmaer, "Die Zool. Ergebnisse der zwei in den Jahren 1878 und 1879 ausgeführten Fahrten des Schoners 'Willem Barents'" (Niederländisches Archiv für Zool. 1881-2), and the "Sponges of the 'Willem Barents' Expedition of 1880 and 1881," 1885.

² G. Armauer Hansen, "Norwegian North Atlantic Expedition, 1876-1878. Spongiadæ." Christiania, 1885.

IX.—Sections of Type and other Sponges, described by Herr Konrad Fristedt, from the coast of Sweden, received from the Royal Museum of Stockholm.¹

- Polymastia, Bowerbank.**
- (43) mamillaris, Müller.
- Radiella, O. Schmidt.**
- (50) spinularia, Bow.
- Thecophora, O. Schmidt.**
- (283) semisuberites, O. Sch.
- Suberites, Nardo.**
- 345 montalbidus, Carter.
- 346 massa, Nardo.
- (123) sulphureus, Bow.
- Vosmæria, Fristedt.**
- 347 crustacea, Fristedt.
- Amorphina, O. Schmidt.**
- (136) panicea, Pallas.
- (110) fallax, Bow.
- Stylopus, Fristedt.**
- 348 coriaceus, Fristedt.
- Desmacella, O. Schmidt.**
- 349 pumicea, Fristedt.
- 350 Peachii, Bow.
- 35¹ var. stellifera, Fristedt.
- Hastatus, Vosmaer.**
- (71) ambiguus, Bow.
- 35² mamillaris, Fristedt.
- (140) Robertsoni, Bow.
- (161) granulatus, Bow.
- Esperia, Nardo.**
- (144) forceps, Bow.
- (70) armata, Bow.
- (158) nigricans, Bow.
- (222) lingua, Bow.
- 353 foliata, Fristedt.
- Geodia, Lamarck.**
- (288) Barretti, Bow.
- Isodictya, Bow.**
- (195) infundibuliformis, Lin.
- Phakellia, Bowerbank.**
- (64) ventilabrum, Lin.
- Axinella, O. Schmidt.**
- (61) rugosa, Bow.
- Raspailia, Nardo.**
- 354 abyssorum, Carter.

¹ Fristedt, "Bidrag till Kändomen om de vid Sveriges vestra Kust levvande Spongiae" (Kongl. Svenska Vet. Akad. Hand xxi), 1885.

- Chalina, Bowerbank.**
- (243) limbata, Mont.
- 355 pulcherrima, Fristedt.
- Dysidea, Johnston.**
- (248) fragilis, Mont.

X.—Sections of Type Sponges, described by Herr Konrad Fristedt, from the "Vega" and other Swedish expeditions, received from the Royal Museum of Stockholm.¹

- Hyalonema, Gray.**
- 356 roseum, Fristedt.
- 357 foliatum, Fristedt.
- Halisarca, Dujardin.**
- (128?) Dujardinii, Johnston.
- Chalina, Grant.**
- 358 vega, Fristedt.
- 359 arbuscula, Verrill.
- Cribrochalina, O. Schmidt.**
- (307) variabilis, Vosm.
- Reniera, O. Schmidt.**
- 360 ventilabrum, Fristedt.
- Amorphina, O. Schmidt.**
- 361 grisea, Fristedt.
- Eumastia, O. Schmidt.**
- 362 sitiens, O. Schm.
- Isodictya, Bowerbank.**
- 363 Dicksonii, Fristedt.
- Artemisina, Vosmaer.**
- (312) suberitoides, Vosm.
- Hymedesmia, Bowerbank.**
- 364 Johnsoni, Bow.
- Hymeraphia, Bowerbank.**
- (74) vermiculata, Bow.
- 365 var. erecta, Carter.
- Polymastia, Bowerbank.**
- (41) brevis, Bow.
- 366 paupera, Fristedt.
- Tethya, Lamarck.**
- (46) cranium, Müll.
- (269) muricata, Bow.
- 367 siberica, Fristedt.
- Gellius, Gray.**
- (316) arcophorus, Vosm.
- Desmacella, O. Schmidt.**
- 368 rosea, Fristedt.
- Desmacidon, Bowerbank.**
- (231) Jeffreysii, Bow.

¹ Fristedt, "Sponges from the Atlantic and Arctic Oceans and the Behring Sea," 1887.

- Hastatus, Vosmaer.**
 369 foliatus, Fristedt.
 370 indistinctus, Fristedt.
Cornulum, Carter.
 371 ascidioides, Fristedt.
 372 textile, Carter.
 373 enteromorphoides, Fristedt.
Esperia, Nardo.
 (222) lingua, Bow.
 374 var. arctica, Fristedt.
 375 villosa, Carter.
 376 helios, Fristedt.
 377 Sophiae, Fristedt.
Forcepia, Carter.
 378 groenlandica, Fristedt.
Cribrella, O. Schmidt.
 379 hospitalis, O. Schmidt.
Melananchora, Carter.
 (294) elliptica, Carter.
Cladorhiza, M. Sars.
 (279) abyssicola, M. Sars.
 380 Nordenskiöldii, Fristedt.
 381 cypressiformis, Carter.
Clathria, O. Schmidt.
 382 corallorhizoides, Fristedt.
 383 Loveni, Fristedt.
-

XI.—Portions of Sponges, described by Dr. von Marenzeller, from the Austrian expedition to Jan Mayen.¹

- Cribrochalina, O. Schmidt.**
 384 ambigua, Marenz.
Esperia, Nardo.
 (232) constricta, Bow.
Suberites, Nardo.
 (345) Lütkeni, O. Sch.
Isodictya, Bowerbank.
 385 tenera, Marenz.²
Tetilla, O. Schmidt.
 386 geniculata, Marenz.
-

XII.—Sponges received from the Copenhagen Museum, being (*a*) Greenlandic species, described by O. Schmidt in "Grundzüge einer Spongien-Fauna des atlantischen Gebietes, 1876,"

¹ "Die internationale Polarforschung 1882-3. Die österreichische Polarstation Jan Mayen, iii, Band, 1886."

² This species described by Marenzeller in "Die Cœlenteraten, Echinodermen, und Würmer der österreichisch-ungarischen Nordpol-Expedition" (Dansk. Math-natur Classe der Kais. Akad. der Wissen, xxxv), 1877.

- and (*b*) Species from the Kara Sea, described by Dr. Levinsen, in "Dijmphna-Togtets Zoolo-gisk-botaniske Udbytte 1887."
Craniella, O. Schmidt.
 387 tethoides, O. Sch.
Chalinula, O. Schmidt.
 388 ovum, O. Sch.
Suberites.
 389 arciger, O. Sch.
Pachychalina, O. Schmidt.
 390 compressa, O. Sch.
Amorphina, O. Schmidt.
 391 genetrix, O. Sch.
Halichondria, Fleming.
 392 bibula, O. Sch.
 393 assimilis, Lev.
Gellius, Gray.
 394 capillifer, Lev.
Esperella, Vosmaer.
 394* Vosmaeri, Lev.
 395 picea, Lev.
 (381) cypressiformis, Carter.
 396 var. robusta, Lev.
 397 var. lycopodium, Lev.
-

XIII.—Mediterranean Sponges. (Nomenclature of O. Schmidt.)

The letters affixed to the names indicate that the sponge has been received from one of the following sources:—

- M.*—Received from the Vienna Museum, Dr. von Marenzeller.
S.—Received from Prof. O. Schmidt.
V.—Received from Dr. Vosmaer.
Z.—Received from the Zoological Station, Naples.
Halisarca, Dujardin.
 398 lobularis, O. Sch. *S.*
 (128?) Dujardinii, Johnst. *Z.*
Chondrosia, Nardo.
 399 reniformis, O. Sch. *Z.*
Chondrilla, O. Schmidt.
 400 nucula, O. Sch. *S.*
Corticium, O. Schmidt.
 401 candelabrum, O. Sch. *S.*
 402 stelligerum, O. Sch. *S.*
Osculina, O. Schmidt.
 403 polystomella, O. Sch. *Z.*
Euspongia, Bronn.
 404 Adriatica, O. Sch. *Z.*

- Cacospongia**, O. Schmidt.
- 405 mollior, O. Sch. S.
 406 scalaris, O. Sch. S.
 407 cavernosa, O. Sch. S.
Aplysina, Nardo.
 408 aerophoba, O. Sch. S.
Aplysilla, F. E. Schulze.
 409 sulphurea, F. E. Schu. Z.
Hircinia, Nardo.
 410 dendroides, O. Sch. S.
 411 variabilis, O. Sch. S.
Sarcotragus, O. Schmidt.
 412 spinulosus, O. Sch. S.
 413 muscarum, O. Sch. Z.
Chalina, Bowerbank.
 414 digitata, O. Sch. M.
Siphochalina, O. Schmidt.
 415 coriacea, O. Sch. Z.
Chalinula, O. Schmidt.
 416 fertilis, O. Sch. Z.
Reniera, O. Schmidt.
 417 aquæductus, O. Sch. S.
 418 grossa, O. Sch. M.
 419 aurantiaca, O. Sch. M.Z.
 420 cratera, O. Sch. Z.
 421 ambigua, O. Sch. S.
 422 filigrana, O. Sch. S.
 423 nuggiana, O. Sch. S.
 424 digitata, O. Sch. M.
 425 informis, O. Sch. S.
 426 calyx, O. Sch. S.
Schmidtia, Bals. Crivelli.
 427 dura, Nardo Z.
Suberites, Nardo.
 428 fruticosus, O. Sch. S.Z.
 (119) domuncula, Nardo S.
 429 lobatus, O. Sch. S.
 430 flavus, O. Sch. M.
Rhizaxinella, Keller.
 431 pyrifera, Vosmaer Z.
Papillina, O. Schmidt.
 (238) suberea, O. Sch. S.
 432 nigricans, O. Sch. S.
Vioa, Nardo.
 433 Hancocki, O. Sch.
 (124) celata, Grant S.
Tethya, Lamarck.
 (49) lyncurium, Lin. S.
Tuberella, Keller.
 434 tethyoides, Keller Z.

Esperia, Nardo.

- 435 Cantarenii, O. Sch. S.
 436 Bauriana, O. Sch. S.
 437 tunicata, O. Sch. S.
 438 Bowerbanki, O. Sch. S.
 (222) lingua, Bow. Z.
 439 syrinx, O. Sch. S.
 440 Lorenzi, O. Sch. Z.
 441 massa, O. Sch. S.
Myxilla, O. Schmidt.
 442 rosacea, O. Sch.
 443 fasciculata, O. Sch. Z.
Dictyonella, O. Schmidt.
 444 arcicola, O. Sch. Z.
Clathria, O. Schmidt.
 445 coralloides, O. Sch. S.
 446 var. ceratodes, Vosm. V.
 447 var. mollis, Vosm. V.
 448 frondiculata, O. Sch. M.
 449 compressa, O. Sch. S.
 450 oroides, O. Sch. M.Z.
Raspailia, Nardo.
 451 viminalis, O. Sch. S.Z.
 452 stelligera, O. Sch. S.
Raspaigella, O. Schmidt.
 453 brunnea, O. Sch. M.
Axinella, O. Schmidt.
 454 damicornis, O. Sch. S.
 455 foveolata, O. Sch. S.
 456 verrucosa, O. Sch. S.
 457 polypoides, O. Sch. S.Z.
 458 cinnamomea, O. Sch. Z.
Acanthella, O. Schmidt.
 459 acuta, O. Sch. S.
Thenea, Gray.
 459 intermedia, Sollas Z.
Stellella, O. Schmidt.
 460 dorsigera, O. Sch. S.
 461 carbonaria, O. Sch. Z.
 462 fibulifera, O. Sch. M.
Geodia, Lamarck.
 463 gigas, O. Sch. S.
-
- XIV.—N.E. American Sponges**, received from the United States National Museum and from Professor Verrill.
- Tethya**, Lamarck.
- 464 gravata, Hyatt.
- Suberites**.
- 465 compacta, Verrill.

	Cliona.
466	sulphurea, Desor.
	Microciona, Bowerbank.
467	prolifera, Verrill.
	Halichondria.
(136)	panicea, Pallas?

	Cladorhiza.
468	grandis, Verrill.
	Chalina.
(240?)	oculata, Pallas?
(359)	arbuscula, Verrill.
	And some undetermined species.

VIII.—RHIZOPODA.

I.—FRESHWATER SPECIES.¹

Orders—Lobosa and Reticularia.

Pelomyxa, Greef.

- 1 palustris, Greef.
- Amœba, Ehrenberg.
- 2 proteus, Leidy.
- 3 verrucosa, Ehren.
- 4 vestita, Penard.

Difflugia, Le Clerc.

- 5 pyriformis, Perty.
- 6 var. cornuta, Leidy.
- 7 var. vas, Leidy.
- 8 var. fulva, Penard.
- 9 acuminata, Ehren.
- 10 amphora, Leidy.
- 11 elegans, Penard.
- 12 bicornis, Penard.
- 13 corona, Wallich.
- 14 globulosa, Dujardin.
- 15 marsupiformis, Wallich.
- 16 avellana, Penard.
- 17 lanceolata, Penard.
- 18 bacillifera, Penard.

- 19 var. inflata, Penard.
- 20 lobostoma, Leidy.
- 21 arcula, Leidy.
- 22 constricta, Ehren.
- 23 compressa, Carter.
- 24 entochloris, Leidy.
- 25 urceolata, Carter.
- 26 var. amphora, Leidy.
- 27 var. lebes, Penard.
- 28 tuberculata, Wallich.
- 29 mamillata, Penard.
- 30 rubescens, Penard.
- 31 elisa, Penard.

¹ The specimens of a few of the following forms are from North America.

Centropyxis, Stein.

- 32 aculeata, Stein.
- 33 var. ecornis, Leidy.
- 34 var. discoides, Penard.
- Arcella, Ehrenberg.
- 35 vulgaris, Ehren.
- 36 var. angulosa, Leidy.
- 37 hemisphærica, Perty.
- 38 catinus, Penard.

Lecquereusia, Schlumberger.

- 39 jurassica, Schlumb.
- 40 var. epistoma, Penard.
- 41 var. bacillaris, Penard.

Nebela, Leidy.

- 42 collaris, Leidy.
- 43 longicollis, Penard.
- 44 lageniformis, Penard.
- 45 tubulosa, Penard.
- 46 flabellulum, Leidy.
- 47 carinata, Leidy.
- 48 galeata, Penard.
- 49 bigibbosa, Penard.
- 50 dentistoma, Penard.
- 51 bursella, Vejdovsky.
- 52 militaris, Penard.
- 53 minor, Penard.
- 54 tenella, Penard.

Hyalosphenia, Leidy.

- 55 papilio, Leidy.
- 56 elegans, Leidy.
- 57 punctata, Penard.

Quadrula, Schulze.

- 58 symmetrica, Schulze.
- 59 var. irregularis, Penard.
- 60 discoides, Penard.

Heleopera, Leidy.

- 61 rosea, Penard.
- 62 petricola, Leidy.

	Heleopera, Leidy.	— continued.
63	sylvatica, Penard.	
	Cryptodifflugia.	
64	oviformis, Penard.	
	Pseudodifflugia, Schlumberger.	
65	hemisphaerica, Penard.	
	Campascus, Leidy.	
66	triqueter, Penard.	
	Cyphoderia, Schlumberger.	
67	margaritacea, Schlum.	
68	triquetra, Penard.	
	Assulina, Ehrenberg.	
69	seminulum, Leidy.	
70	scandinavica, Penard.	
71	minor, Penard.	
	Euglypha, Dujardin.	
72	alveolata, Dujardin.	
73	ciliata, Leidy.	
74	strigosa, Leidy.	
75	cristata, Penard.	
76	heterospina, Penard.	
77	compressa, Carter.	
	Placocysta, Leidy.	
78	spinosa, Leidy.	
	Sphenoderia, Schlumberger.	
79	lenta, Schlum.	
80	dentata, Penard.	
	Trinema, Dujardin.	
81	enchelys, Leidy.	
82	complanatum, Penard.	
83	lineare, Penard.	
	Corythion, Taránek.	
84	dubium, Taránek.	
85	pulchellum, Penard.	
	Pseudochlamys, Claparède & Lachman.	
86	patella, Clap. & Lach.	
	Gromia, Dujardin.	
87	Brunneri, Blanc.	
88	Schulzei, Norman. ¹	

II.—MARINE SPECIES.

Order—Reticularia or Foraminifera.

Fam. I.—Miliolidæ.

Nubecularia, Defrance.

- 89 lucifuga, Defrance.

¹ Name for the large marine species figured by Schulze "Jahresbericht der Comm. zur wissenschaft. Unters. der deutschen Meere in Kiel 1872-3." Pl. II, fig. 11, a, b, c, 1875.

	Biloculina, d'Orbigny.
90	sphæra, d'Orb.
91	lucernula, Schwager.
92	bulloides, d'Orb.
93	ringens, Lamk.
94	comata, H. Bra.
*95	irregularis, d'Orb.
96	elongata, d'Orb.
97	depressa, d'Orb.
98	var. murrhyna, Schwager.
99	var. serrata, H. Bra.
100	lævis, Deffr.
	Spiroloculina, d'Orbigny.
101	planulata, Lamk.
*102	robusta, H. Bra.
103	excavata, d'Orb.
104	tenuiseptata, H. Bra.
105	acutimargo, H. Bra.
106	limbata, d'Orb.
*107	robusta, H. Bra.
108	canaliculata, d'Orb.
	Sigmoilina, Schlumberger.
109	secans, d'Orb.
110	celata, Costa.
111	tenuis, Czjzek.
*112	sigmoidea, H. Bra.
	Miliolina, Williamson.
113	seminulum, Lin.
114	badenensis, d'Orb.
115	seminuda, Reuss.
116	oblonga, Mont.
*117	gracilis, d'Orb.
118	venusta, Karrer.
119	Auberiana, d'Orb.
*120	Cuvieriana, d'Orb.
121	trigonula, Lamk.
122	tricarinata, d'Orb.
123	insignis, H. Bra.
124	subrotunda, Mont.
*125	Fichteliana, d'Orb.
126	circularis, Born.
127	bucculenta, H. Bra.
*128	var. placentæformis, H. Bra.
129	bicornis, Walk. and Jac.
130	Boueana, d'Orb.
131	pulchella, d'Orb.
132	Ferussacei, d'Orb.
*133	reticulata, d'Orb.
134	labiosa, d'Orb.

Miliolina, Williamson.—continued.

- 135 longirostris, d'Orb.
- 136 Brongniartii, d'Orb.
- 137 selerotica, d'Orb.
- 138 agglutinans, d'Orb.
- 139 fusca, H. Bra.
- Articulina, d'Orbigny.**
- *140 sulcata, Reuss.
- *141 sagra, d'Orb.
- *142 funalis, H. Bra.
- Ophthalmidium, Kübler.**
- 143 inconstans, H. Bra.
=carinatum, Balk. and Wrig.
- Planispirina, Sequenza.**
- 144 contraria, d'Orb.
- 145 communis, Sequenza.
- Cornuspira, Schultze.**
- 146 foliacea, Phil.
- 147 involvens, Reuss.
- 148 carinata, Costa.
- 149 striolata, H. Bra.
- Paneroplis, Montfort.**
- 150 pertusus, Forsk.
- 151 var. planatus, Fich. & Moll.
- 152 var. carinatus, d'Orb.
- Orbiculina, Lamarck.**
- 153 adunca, Fich. & Moll.
- Orbitolites, Lamarck.**
- 154 italica, Costa.
- 155 marginalis, Lamk.

Fam. II.—Astrorhizidae.

- Astrorhiza, Sandahl.**
- 156 limicola, Sandahl.
- 157 arenaria, Norman.
- 158 crassatina, H. Bra.
- 159 granulosa, H. Bra.
- 160 angulosa, H. Bra.
- Pelosina, H. B. Brady.**
- 161 variabilis, H. Bra.
- Dendrophrya, Str. Wright.**
- 162 radiata, Str. Wright.
- 163 erecta, Str. Wright.
- Storthosphæra, Schulze.**
- 164 albida, Schulze.
- Syringammina, H. B. Brady.**
- 165 fragilissima, H. Brady.
- Technitella, Norman.**
- 166 melo, Norman.
- 167 legumen, Norman.

Bathysiphon, M. Sars.

- 168 filiformis, M. Sars.
- Saccammina, M. Sars.**
- 169 sphærica, M. Sars.
- Psammosphæra, Schulze.**
- 170 fusca, Schulze.
- Jaculella, H. B. Brady.**
- 171 acuta, H. Bra.
- 172 obtusa, H. Bra.
- Psammatodendron, Norman.**
- 173 arborescens, Norman.
- 174 ramosum, H. Bra.
- Hyperammina, H. B. Brady.**
- 175 elongata, H. Bra.
- 176 friabilis, H. Bra.
- 177 subnodososa, H. Bra.
- 178 vagans, H. Bra.
- Marsipella, Norman.**
- 179 elongata, Norman.
- 180 cylindrica, H. Bra.
- Rhabdammina, M. Sars.**
- 181 abyssorum, M. Sars.
- 182 discreta, H. Bra.
- 183 linearis, H. Bra.
- Aschemonella, H. B. Brady.**
- 184 catenata, Norman.
- Rhizammina, H. B. Brady.**
- 185 algæformis, H. Bra.
- 186 indivisa, H. Bra.
- Botellina, Carpenter.**
- 187 labyrinthica, H. Bra.
- Haliphysema, Bowerbank.**
- 188 Tumanowiczii, Bow.
- 189 ramulosum, Bow.
- 190 confertum, Norman.

Fam. III.—Lituolidæ.

Reophax, Montfort.

- 191 difflugiformis, H. Bra.
- 192 fusiformis, Will.
- 193 scorpiorus, Montfort.
- 194 pilulifera, H. Bra.
- 195 dentaliniformis, H. Bra.
- 196 bacillaris, H. Bra.
- 197 guttifera, H. Bra.
- 198 distans, H. Bra.
- 199 adunca, H. Bra.
- 200 sabulosa, H. Bra.
- 201 cylindrica, H. Bra.
- 202 findens, Parker=moniliforme, Siddall.

Reophax, Montfort. —continued.		Trochammina, Parker and Jones. —contd.
203 ruditis, Costa.	240	trullissata, H. Bra.
204 Scottii, Chaster.	*241	coronata, H. Bra.
Haplophragmium, Reuss.	*242	conglobata, H. Bra.
205 agglutinans, d'Orb.	243	ringens, H. Bra.
206 pseudospirale, Will.	244	trullissata, H. Bra.
*207 calcareum, H. Bra.	245	lituiformis, H. Bra.
208 cassis, Parker.	246	pauciloculata, H. Bra.
209 emaciatum, H. Bra.		Webbina, d'Orbigny.
210 latidorsatum, Born.	247	hemisphaerica, Jones, Par. and Bra.
211 scitulum, H. Bra.	248	clavata, Par. and Jones.
212 glomeratum, H. Bra.		Cyclammina, H. B. Brady.
213 canariense, d'Orb.	249	cancellata, H. Bra.
214 crassimargo, Norman. ¹		<i>Fam. IV.—Textulariidae.</i>
215 naum, H. Bra.		Textularia, Defrance.
216 globigeriniforme, Par. and Jones.	*250	quadrilatera, Schwager.
217 anceps, H. Bra.	251	concava, Karrer.
Placopsilina, d'Orbigny.	252	nussdorfensis, d'Orb.
218 bulla, d'Orb.	253	carinata, d'Orb.
219 cenomana, d'Orb.	254	sagittula, Defrance.
220 vesicularis, H. Bra.	255	var. fistulosa, H. Bra.
Haplostiche, Reuss.	256	agglutinans, d'Orb.
221 Soldanii, d'Orb.	257	gramen, d'Orb.
Thurammina, H. B. Brady.	258	conica, d'Orb.
222 papillata, H. Bra.	259	trochus, d'Orb.
223 albicans, H. Bra.	*260	turris, d'Orb.
Hippocrepina, Parker.	*261	Barrettii, Par. and Jones.
224 indivisa, Parker.	262	aspera, H. Bra.
Hormosina, H. B. Brady.		Bigenerina, d'Orbigny.
225 globulifera, H. Bra.	263	nodosaria, d'Orb.
226 ovicula, H. Bra.	264	digitata, d'Orb.
227 Carpenteri, H. Bra.	265	robusta, H. Bra.
228 Normani, H. Bra.		Grammostomum, Reuss.
Ammodiscus, Reuss.	266	capreolus, d'Orb.
229 incertus, d'Orb.	267	pennatula, Batsch.
230 gordialis, Par. and Jones.	*268	Pavonaria, d'Orbigny.
231 charoides, Par. and Jones.		flabelliformis, d'Orb.
232 Shoneanus, Siddall.	269	Spiroplecta, Ehrenberg.
Trochammina, Parker and Jones.		biformis, Par. and Jones.
233 squamata, Par. and Jones.	270	Gaudryina, d'Orbigny.
234 ochracea, Will.	271	pupoidea, d'Orb.
235 plicata, Terquem.	*272	baccata, Schwager.
236 inflata, Mont.	273	subrotunda, Schwager.
237 var. macrescens, H. Bra.	274	filiformis, Berth.
238 nitida, H. Bra.		siphonella, Reuss.
239 Robertsoni, H. Bra.		Verneuilina, d'Orbigny.
¹ Nov. nom. for Brady, "Challenger," Pl. xxv, fig. 4. It is a well-marked form which I have found with <i>H. canariense</i> in East Finmark and Greenland, each form preserving its distinctive characters.		275 triquetra, Münster.
		276 spinulosa, Reuss.

277	pygmæa, Egger.
278	polystropha, Reuss.
	Valvulina , d'Orbigny.
279	conica, Par. and Jones.
280	fusca, Will.
	Clavulina , d'Orb.
*281	communis, d'Orb.
282	parisiensis, d'Orb.
283	cylindrica, Hantken.
	Bulimina , d'Orbigny.
284	elegans, d'Orb.
285	pyrula, d'Orb.
286	var. spinescens, H. Bra.
287	ovata, d'Orb.
288	affinis, d'Orb.
289	pupoïdes, d'Orb.
290	arctica, d'Orb.
291	subteres, H. Bra.
292	elegantissima, d'Orb.
293	fusiformis, Will.
*294	subcylindrica, H. Bra.
295	marginata, d'Orb.
296	aculeata, d'Orb.
297	inflata, Sequenza.
298	Buchiana, d'Orb.
299	convoluta, Will.
300	squamigera, d'Orb.
	Virgulina , d'Orbigny.
301	Schreibersiana, Czjzek.
302	subsquamosa, Egger.
	Bolivina , d'Orbigny.
303	punctata, d'Orb.
304	dilatata, Reuss.
*305	orrecta, H. Bra.
306	lævigata, Will. = textilaroides, Reuss.
307	tortuosa, H. Bra.
308	difformis, Will. = pygmæa, H. Bra.
309	robusta, H. Bra.
310	Beyrichi, Reuss.
311	var. alata, Seq.
312	ænariensis, Costa.
313	plicata, d'Orb.
314	tegulata, Reuss.
315	costata, d'Orb.
316	decussata, H. Bra.
	Cassidulina , d'Orbigny.
317	lævigata, d'Orb.
318	crassa, d'Orb.
319	Bradii, Norman.

	<i>Fam. V.—Chilostomellidae.</i>
	Chilostomella , Reuss.
320	ovoidea, Reuss.
	<i>Fam. VI.—Lagenidae.</i>
	Lagenia , Walker and Boys.
321	globosa, Mont.
322	var. apiculata, Reuss.
323	lævis, Mont.
324	clavata, d'Orb.
325	elongata, Ehrenberg.
326	gracillima, Seq.
327	striata, d'Orb.
328	distoma, Par. and Jones.
329	gracilis, Will.
330	interrupta, Will.
331	semistriata, Will.
332	semilineata, Wright.
333	lineata, Will.
334	crenata, Par. and Jones.
335	hispida, Reuss.
336	aspera, Reuss.
337	sulcata, Walk. and Boys.
338	costata, Will.
339	acuticosta, Reuss.
340	Williamsoni, Alcock.
341	desmophora, Rymer Jones.
342	Hertwigiana, H. Bra.
343	striatopunctata, Par. and Jones.
344	squamosa, Mont.
345	melo, d'Orb.
346	hexagona, Will.
347	lævigata, Reuss.
348	var. carinata, Reuss.
349	var. globosa, Born.
350	var. pedunculata, Sequenza.
351	marginata, Walk. and Boys.
352	var. inæquilateralis, Wright.
353	monst. trigono-marginata, Par. and Jones.
354	monst. trigono-oblonga, Sequenza.
355	lucida, Will.
356	quadrata, Will.
357	faba, Balk. and Mill.
358	bicarinata, Terquem.
359	Orbigniana, Sequenza.
360	monst. trigono-Orbigniana, Norman.
361	fimbriata, H. Bra.
362	pulchella, H. Bra.

Lagena, Walker and Boys.—continued.

- 363 *lagenoides*, Will.
 364 var. *tenuistriata*, H. Bra.
Glandulina, d'Orbigny.
 365 *lævigata*, d'Orb.
 366 var. *rotundata*, Reuss.
 367 var. *inflata*, Born.
 368 var. *gracilis*, Reuss.
Nodosaria, Lamarck.
 369 *radicula*, Lin.
 370 *calomorpha*, (Reuss ?) H. Bra.
 371 *pyrula*, d'Orb.
 372 *infexa*, Reuss.
 373 *filiformis*, d'Orb.
 374 *consobrina*, d'Orb.
 375 var. *emaciata*, Reuss.
 376 *soluta*, Reuss.
 377 *Verneuilii*, d'Orb.
 378 *communis*, d'Orb.
 379 *capitata*, Boll.
 380 *Rœmeri*, Neugenb.
 381 *hispida*, d'Orb.
 382 var. *sublineata*, H. Bra.
 383 *comata*, Batsch.
 384 *scalaris*, Batsch.
 385 var. *separans*, H. Bra.
 386 *raphanus*, Lin.
 387 *obliqua*, Lin.
 388 *vertebralis*, Batsch.
 *389 *costulata*, Reuss.
 *390 *intercellaris*, H. Bra.
 391 *aciculata*, d'Orb.
Lingulina, d'Orbigny.
 392 *carinata*, d'Orb.
 393 var. *seminuda*, Hantken.
Frondicularia, Defrance.
 394 *alata*, d'Orb.
Rhabdogonium, Reuss.
 395 *tricarinatum*, d'Orb.
Marginulina, d'Orbigny.
 396 *glabra*, d'Orb.
 397 *costata*, Batsch.
Vaginulina, d'Orbigny.
 398 *legumen*, Lin.
 399 var. *arquata*, H. Bra.
 400 *spinigera*, H. Bra.
 401 *linearis*, Mont.
Cristallaria, Lamarck.
 402 *tenuis*, Born.

Cristallaria, Lamarck.—continued.

- 403 *obtusata*, Reuss.
 404 var. *subalata*, H. Bra.
 405 *compressa*, d'Orb.
 406 *reniformis*, d'Orb.
 *407 *Schloenbachi*, Reuss.
 408 *crassa*, d'Orb.
 409 *variabilis*, Reuss.
 410 *crepidula*, Fich. and Moll.
 411 *italica*, Defrance.
 412 *gibba*, d'Orb.
 413 *rotulata*, Lamk.
 414 *vortex*, Fich. and Moll.
 415 *orbicularis*, d'Orb.
 416 *culturata*, d'Orb.
 417 *calcar*, Lin.
 418 *echinata*, d'Orb.
 *419 *aculeata*, d'Orb.
Amphicoryne, Schlumberger.
 420 *falx*, Par. and Jones.
Polymorphina, d'Orbigny.
 421 *lactea*, Walk. and Jac.
 422 monst. *d'Orbignii*, Zbor.
 423 *gibba*, d'Orb.
 424 var. *Humboldtii*, Zbor.
 425 *lanceolata*, Reuss.
 426 *compressa*, d'Orb.
 427 monst. *fistulosa*, Will.
 428 *Thouini*, d'Orb.
 429 *oblonga*, d'Orb.
 430 *rotundata*, Born.
 431 *myristiformis*, Will.
 432 *concava*, Will.
Uvigerina, d'Orbigny.
 433 *canariensis*, d'Orb.
 434 *angulosa*, Will.
 *435 *orrecta*, H. Bra.
 436 *asperula*, Czjzek.
 437 *pygmæa*, d'Orb.
 438 *tenuistriata*, Reuss.
Sagrina, d'Orbigny.
 439 *dimorpha*, Par. and Jones.
 440 *nodosa*, Par. and Jones.
Ramulina, Rupert Jones.
 441 *globulifera*, H. Bra.
Fam. VII.—Globigerinidae.
Globigerina, d'Orb.
 442 *bulloides*, d'Orb.
 443 *dubia*, Egger.

	Globigerina , d'Orb.—continued.		Truncatulina , d'Orbigny.
444	pachyderma, Ehrenberg.	480	refulgens, Montf.
445	inflata, d'Orb.	481	lobatula, Walk. and Jac.
446	rubra, d'Orb.	482	variabilis, d'Orb.
447	conglobata, H. Bra.	483	Wuellerstorfi, Schwager.
448	sacculifera, H. Bra.	484	Haidingerii, d'Orb.
449	æquilateralis, H. Bra.	485	Ungeriana, d'Orb.
	Orbubina , d'Orb.	486	Robertsoniana, H. Bra.
450	universa, d'Orb.	487	reticulata, Czjzek.
451	monst. bilobata, d'Orb.		Anomalina , d'Orbigny.
452	monst. trilobata, d'Orb.	488	coronata, Par. and Jones.
453	porosa, Terquem.	489	ariminensis, d'Orb.
	Hastigerina , Wyville Thomson.		Carpenteria , Gray.
454	pelagica, d'Orb.	*490	monticularis, Carter.
	Pullenia , Parker and Jones.	491	utricularis, Carter.
455	sphæroides, d'Orb.	492	proteiformis, Goës.
456	quinqueloba, Reuss.		Rupertia , Wallich.
457	obliqueloculata, Par. and Jones.	493	stabilis, Wallich.
	Sphæroidina , d'Orb.		Pulvinulina , Parker and Jones.
458	bulloides, d'Orb.	494	repanda, Fich. and Moll.
459	dehiscens, Par. and Jones.	495	punctata, d'Orb.
	Candeina , d'Orbigny.	496	concentrica, Par. and Jones.
460	nitida, d'Orb.	497	auricula, Fich. and Moll.
	<i>Fam. VIII.—Rotaliidæ.</i>	498	oblonga, Will.
	Spirillina , Ehrenberg.	499	Menardii, d'Orb.
461	vivipara, Ehrenberg.	500	var. fimbriata, H. Bra.
462	margaritifera, Will.	501	tumida, H. Bra.
463	limbata, H. Bra.	502	canariensis, d'Orb.
464	decorata, H. Bra.	503	patagonica, d'Orb.
	Patellina , Williamson.	504	crassa, d'Orb.
465	corrugata, Will.	505	Micheliniana, d'Orb.
	Cymbalopora , Hagenow.	506	exigua, H. Bra.
466	Poeyi, d'Orb.	507	pauperata, Par. and Jones.
467	bulloides, d'Orb.	508	Schreibersii, d'Orb.
	Discorbina , Parker and Jones.	509	Karsteni, Reuss.
*468	turbo, d'Orb.	510	elegans, d'Orb.
469	globularis, d'Orb.		Rotalia , Lamarck.
470	arctica, Norman (nov. nom.) = obtusa, Par. and Jones (non d'Orb.).	511	Beccarii, Lin.
		512	Soldanii, d'Orb.
471	rosacea, d'Orb.	513	nitida, Will.
472	orbicularis, Terquem.	514	orbicularis, d'Orb.
473	parisiensis, d'Orb.		Gypsina , Carter.
474	Bertheloti, d'Orb.	515	globulus, Reuss.
475	Saulcyi, d'Orb.	516	vesicularis, Par. and Jones.
476	Wrightii, H. Bra.	517	inhærens, Schultze.
	Planorbulina , d'Orbigny.		Polytrema , Risso.
477	mediterranensis, d'Orb.	518	miniaceum, Lin.
478	ariminensis, d'Orb.		
479	acervalis, H. Bra.		

*Fam. IX.—Nummulinidæ.**Nonionina*, d'Orbigny.

- 519 depressula, Walk. and Jac
 520 umbilicata, Mont.
 521 pompiloides, Fich. and Moll.
 522 orbicularis, H. Bra.
 523 stelligera, d'Orb.
 524 Boueana, D'Orb.
 525 labradorica, Dawson.
 526 scapha, Fich. and Moll.
 527 communis, d'Orb.
 528 pauperata, Balk. and Wri.
 529 turgida, Will.

Polystomella, Lamarck.

- 530 striatopunctata, Fich. and Moll.
 531 subnodosa, Münster.
 532 arctica, Par. and Jones.
 533 crispa, Linné.

Amphistegina, d'Orbigny.

- *534 Lessonii, d'Orb.

Operculina, d'Orb.

- 535 ammonoides, Gron.

Heterostegina, d'Orbigny.

- *536 depressa, d'Orb.

GENERAL

MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

Europe and the Arctic and North Atlantic Oceans

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN,

M.A., D.C.L., LL.D., F.R.S., F.L.S., &c.



IX. TUNICATA.

X. STERNASPIS, GEPHYREA AND PHORONIS.

XI. ANNELIDA POLYCHAETA.

XII. CŒLENTERATA.

DURHAM :

THOMAS CALDCLEUGH, PRINTER, 70, SADDLER STREET.

1897.

PREFATORY NOTES.

The North Atlantic is here regarded as limited by Lat. 35° N., or as extending a little to the South of the Strait of Gibraltar on the Eastern and to about Cape Hatteras on the Western side.

The Tunicata contain a large number of type specimens described by Alder and by Hancock, while many other typical specimens have been received from the describers, Heller, Traustedt (from the Copenhagen Museum), Garstang, Verrill and Van Beneden.

The Gephyrea embrace some types received from Koren and Danielssen.

The Annelida are the most imperfect portion of my collections. There are only a few typical specimens among them; these have been described by Hansen, Levensen and Verrill.

The Cœlenterata contain types received from authors or described from my collection by Alder, Allman, Lorenz, Verrill, Levensen, Bergh, Bourne, Heller, &c. It also embraces the collection which was bequeathed to me by the late Mr. George Barlee.

A few of the Cœlenterata in the following list which are from beyond this limit, namely, from the Madeiran Province, have the letter M after the name in order to signify their habitat.

A. M. NORMAN.

THE RECTORY,
HOUGHTON-LE-SPRING, R.S.O.,
Co. DURHAM.

November 18, 1897.

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MUSEUM NORMANIANUM.

IX.—TUNICATA.

Eugyra, Alder and Hancock.

- 1 *glutinans*, Möll. = *arenosa*, Ald. and Han.
 2 *globosa*, Hancock.
 3 *arenata*, Verrill.
 4 *arenosa*, Heller (nec A. and H.).
Bostriochobranchus, Traustedt.
 5 *manhattensis*, De Kay.
Ctenicella, Lacaze Duthiers.
 6 *complanata*, Ald. and Han.
Molgula, Forbes.
 7 *impura*, Heller.
 8 *ampulloides*, Van Ben.
 9 *oculata*, Forbes.
 10 *citrina*, Ald. and Han.
 11 *eugyroides*, Traustedt.
 12 *roscovita*, Lacaze Dut.
 13 *greenlandica*, Traust.
 14 (?) *inconspicua*, Ald. and Han.
 15 (?) *siphonata*, Ald. and Han.
Boltenia, Savigny.
 16 *Bolteni*, Linné.
Microcosmus, Heller.
 17 *vulgaris*, Heller.
Cynthia, Savigny.
 18 *papillosa*, Linné.
 19 *echinata*, Linné.
 20 *squamulosa*, Alder.
 21 (?) *quadrangularis*, Forbes.
 22 (?) *partita*, Stimp.
 23 (?) *coriacea*, Ald. and Han.
 24 *granulata*, Alder.
Forbesiella, Herdman.
 25 *tessellata*, Forbes.
Pelonaia, Forbes and Goodsir.
 26 *corrugata*, Forbes.

Styela, MacLean.

- 27 *plicata*, Lesson = *gyrosa*, Heller.
 28 *aggregata*, O. F. Müll.
 29 *gelatinosa*, Traus.
 30 *informis*, Forbes.
Styelopsis, Traustedt.
 31 *grossularia*, Van Ben.
Polycarpa, Heller.
 32 *glomerata*, Alder.
 33 *comata*, Alder.
 34 *pomaria*, Sav.
 35 *obscura*, Heller.
 36 *pusilla*, Herdman.
 37 *rustica*, Linné.
Corella, Alder and Hancock.
 38 *parallelogramma*, O. F. Müll.
 39 *ovata*, Hancock.
 40 *larvaeformis*, Hancock.
Phallusia, Savigny.
 41 *mammillata*, Cuv.
Ascidia, Roule.
 42 *venosa*, O. F. Müll.
 43 *aspersa*, O. F. Müll.
 44 *scabra*, O. F. Müll.
 45 *virginea*, O. F. Müll. = *sordida*, Ald.
 and Han.
Ascidia, Linné.
 46 *mentula*, O. F. Müll.
 47 *plebeia*, Alder.
 48 *fumigata*, Grube.
 49 *compressa*, O. F. Müll.
 50 *depressa*, Alder.
 51 *dijmphniana*, Traus.
 52 *glacialis*, Traus.
 53 *Olrickii*, Traus.
 54 *complanata*, Verrill.

- Ascidia**, Linné.—Continued.
- 55 rудis, Alder.
 56 elliptica, Ald. and Han.
 57 mollis, Ald. and Han.
 58 Normani, Ald. and Han.
 59 rubrotincta, Han.
 60 rubicunda, Han.
 61 robusta, Han.
 62 crassa, Han.
 63 aculeata, Ald.
 64 producta, Han.
 65 affinis, Ald. and Han.
 66 fusca, Cuv.
- Rhodosoma**, Ehrenberg.
 67 callense, Lac. Duth.
- Ciona**, Savigny.
 68 fascicularis, Han.
 69 canina, O. F. Müll.
 70 intestinalis, Linné.
 71 pulchella, Alder.
- Diazona**, Savigny.
 72 violacea, Sav.=hebridica, F. and G.
- Rhopalia**, Philippi.
 73 neapolitana, Phil.
- Clavelina**, Savigny.
 74 lepadiformis, O. F. Müll.
 75 Rissoana, H. M. Edw.
 76 producta, H. M. Edw.
- Perophora**, Lister.
 77 Listeri, Wiegm.
 78 viridis, Verrill.
- Pycnoclavella**, Garstang.
 79 aurilucens, Garstang.
- Archidistoma**, Garstang.
 80 aggregatum, Garstang.
- Botryllus**, Gaertner and Pallas.
 81 aurolineatus, Giard.
 82 smaragdus, H. M. Edw.
 83 Gouldii, Verrill.
- Polycyclus**, Lamarck.
 84 Renieri, Lamarck.
- Botrylloides**, H. M. Edw.
 85 Gascoi, Della Valle.
 86 rubrum, H. M. Edw.
 87 rotiferum, H. M. Edw.
- Distaplia**, Della Valle.
 88 magnilarva, D. Valle.
 89 rosea, D. Valle.
- Distoma**, Gaertner.
 90 Panceri, D. Valle.
- Distoma**, Gaertner.—Continued.
- 91 vitreum, M. Sars.
Cystodytes, Drasche.
 92 Delle Chiajei, D. Valle.
- Aurantium**, Giard.
 93 polyclinoides, nov. non = Polyclinum aurantium.
- Polyclinum**, Savigny.
 94 succineum, Alder.
 95 cerebriforme, Alder.
- Aplydium**, Savigny.
 96 zostericola, Giard.
 97 melleum, Alder.
- Amaroucium**, H. M. Edwards.
 98 albicans, H. M. Edw.
 99 proliferum, H. M. Edw.
 100 pomum, M. Sars.
 101 roseum, D. Valle.
 102 gibbosulum, Sav.
 103 pellucidum, Verrill.
 104 stellatum, Verrill.
 105 constellatum, Verrill.
- Parascidia**, H. M. Edwards.
 106 flabellata, Alder.
 107 Forbesii, Alder.
 108 Flemingii, Alder.
- Morchellium**, Giard.
 109 argus, H. M. Edw.
- Fragarium**, Giard.
 110 elegans, Giard.
 111 areolatum, Delle Chiaje.
- Circinalium**, Giard.
 112 concrescens, Giard.
- Didemnum**, Savigny.
 113 sargassicola, Giard.
- Leptoclinum**, H. M. Edwards.
 114 fulgidum, H. M. Edw.
 115 maculatum, H. M. Edw.
 116 asperum, H. M. Edw.
 117 durum, H. M. Edw.
 118 tenue, Herdman.
 119 albidum, Verrill.
- Diplosoma**, Macdonald.
 120 gelatinosum, H. M. Edw.
 121 Listerianum, D. Valle.
 122 punctatum, Forbes.
 123 Kochlerianum, Lahille.
- Thylacium**, Carus.
 124 Normani, Alder.

Synstyela, Giard.		Salpa, Forskål.
125 variegata, Alder.	131	punctata, Forskål.
Pyrosoma, Péron.	132	scutigera—confederata, Cuv.—Forsk.
126 elegans, Lesson.	133	runcinata—fusiformis, Cham.—Cuv.
127 giganteum, Lesson.	134	africana—maxima, Forskål.
Doliolum, Quoy and Gaimard.		Thalia, Blumenbach.
128 tritonis, Herdman.	135	democratica—mucronata, Forskål.
129 denticulatum, Quoy and Gaim.	136	Iasis, Savigny.
Cyclosalpa, Blainville.		costata—Tilesii, Q. and G.—Cuv.
130 pinnata, Forskål.	137	Oikopleura (Mertens), Fol.
		dioica, Fol.

X.—GEPHYREA; STERNASPIS AND PHORONIS.

Sternaspis, Otto.	
1 scutata, Renier.	
2 fossor, Stimpson.	
Bonellia, Rolando.	
3 viridis, Rolando.	
4 fuliginosa, Rolando.	
Echiurus, Cuvier.	
5 vulgaris, Savigny.	
Thalassema, Gaertner.	
6 neptuni, Gaertner.	
Halicryptus, Siebold.	
7 spinulosus, Siebold.	
Priapulus, Lamarck.	
8 caudatus, Lamarck.	
Sipunculus, Linné.	
9 nudus, Linné.	
10 tessellatus, Rafinesque.	
Aspidosiphon, Diesing.	
11 radiatus, Alder. = A. mirabilis, Theel.	
12 scutatus, J. Müller.	
Tylosoma, Koren and Danielssen.	
13 Lütkeni, Kor. and Dan.	
Onchnesoma, Koren and Danielssen.	
14 Steenstrupii, Kor. and Dan.	
15 Sarsii, Kor. and Dan.	
16 glaciale, Dan. and Cor.	

Pelastostoma, Keferstein.	
17 minutum, Kef.	
Phascolosoma.	
18 vulgare, Blainville.	
19 tenuicinctum, McCoy. = P. elongatum, Kef.	
20 margaritaceum, M. Sars.	
21 procerum, Möbius.	
22 eremita, M. Sars.	
23 Lilljeborgii, Dan. and Kor.	
24 squamatum, Kor. and Dan.	
Phymosoma, Quatrefages.	
25 tigrinum, Risso. = Phas. granulatum, Leuck.	
26 papillosum, W. Thompson.	
Stephanosoma, Danielssen and Koren.	
27 Hansenii, Dan. and Kor.	
Phascolion.	
28 strombi, Montagu.	
29 var. tuberculatum, Theel.	
Epithetosoma, Danielssen and Koren.	
30 norvegicum, Dan. and Kor.	
Phoronis, Strethill Wright.	
31 hippocrepis, S. Wright.	
32 Kowalevskii, Caldwell.	

XI.—ANNELIDA POLYCHÆTA.

	Spinther, Johnston.	Lepidasthenia, Malmgren.
1	oniscoides, Johnston.	30 elegans, Grube.
	Euphrosine, Savigny.	Polyodontes, Renier.
2	borealis, Oersted.	31 maxillosus, Audouin and Edwards.
3	cirrata, M. Sars.	Pholoe, Johnston.
	armadillo, M. Sars.	32 minuta, Oersted.
	foliosa, Audouin and Savigny.	Sigalion, Audouin and Edwards.
	Paramphinoe, M. Sars.	33 squamatum, Delle Chiaje.
6	pulchella, M. Sars.	Psammolyce, Kinberg.
	Aphrodita, Linné.	34 arenosa, Claparède.
7	aculeata, Linné.	Sthenelais, Kinberg.
	Lætmonice, Malmgren.	35 boa, Johnston.
8	filicornis, Kinberg.	36 idunæ, Rathke.
	Hermione, Blainville.	37 dendrolepis, Claparède.
9	hystrix, Savigny.	Leanira, Kinberg.
	Pontogenia, Claparède.	38 tetragona, Oersted.
10	chrysocoma, Claparède.	Notophyllum, Oersted.
	Lepidonotus, Leach.	39 foliosum, M. Sars.
11	squamatus, Linné.	Eumida, Malmgren.
12	clava, Montagu.	40 sanguinea, Oersted.
	Dasylepis, M. Sars.	Eulalia, Savigny.
13	asperrima, M. Sars.	41 viridis, Linné.
	Gattyana, McIntosh.	Phyllodoce, Savigny.
14	cirrosa, Pallas.	42 maculosa, O. F. Müller.
	Eunoë, Malmgren.	43 lamelligera, Turton=laminosa,
15	nodosa, M. Sars.	Malmgren.
	Antinoë, Kinberg.	44 Paretti, Blainville.
16	Sarsi, Malmgren.	Eteone, Savigny.
	Eucranta, Malmgren.	45 striata, Levinson.
17	villosa, Malmgren.	46 flava, Fabricius.
	Harmothoe, Kinberg.	47 maculata, Oersted.
18	imbricata, Linné.	48 fucata, M. Sars.
19	floccosa, Savigny.	49 longa, Fabricius.
20	areolata, Grube.	50 depressa, Malmgren.
	Acholoe, Claparède.	51 cylindrica, Oersted.
21	astericola, Claparède.	52 siphonodonta, Grube.
	Evarne, Malmgren.	Alciope, Audouin and Edwards.
22	impar, Johnston.	53 Cantrainii, Claparède.
23	Johnstoni, M.	Liocapa, A. Costa.
24	Normani, McIntosh.	54 candida, Delle Chiaje.
	Lænilla, Malmgren.	Vanadis, Claparède.
25	setosissima, Savigny.	55 formosa, Claparède.
	Lagisca, Malmgren.	Nephthys, Cuvier.
26	rarispira, M. Sars.	56 cœca, Fabricius.
27	clavigera, M. Sars.	57 Hombergi, Audouin and Edwards.
28	floccosa, Savigny.	58 ciliata, O. F. Müller.
29	antennata, Grube.	59 incisa, Malmgren.

	Nephthys, Cuvier.—Continued.	
60	Malmgreni, Theel.	94
61	emarginata, Malm.	95
	Glycera, Savigny.	Syllis, Savigny.
62	capitata, Oersted.	96
63	setosa, Oersted.	97
64	alba, O. F. Müller.	Gattiola, Johnston.
65	dubia, Blainville.	98
66	Goesi, Malmgren.	Autolytus, Grube.
	Goniada, Audouin and Savigny.	99
67	maculata, Oersted.	longisetosus, Oersted.
68	norvegica, Oersted.	Ephesia, H. Rathke.
	Staurocephalus, Grube.	100
69	rubrovittatus, Grube.	gracilis, Rathke.
70	Rudolphii, Ehlers.	Tomopteris, Eschscholtz.
	Lumbriconereis, Blainville.	101
71	fragilis, O. F. Müller.	phasma, Dalyell.
72	contorta, Quatrefages.	Scolecolepis, Blainville.
	Halla, A. Costa.	102
73	parthenopeia, A. Costa.	cirrata, M. Sars.
	Maclovia, Grube.	Spio, Fabricius.
74	gigantea, Quatrefages.	103
	Lysidice, Savigny.	fuliginosus, Claparède.
75	ninetta, Audouin and Edwards.	Polydora, Bose.
	Paractius, Levinsen.	104
76	littoralis, Levinsen.	ciliata, Johnston.
	Onuphis, Audouin and Edwards.	Nerine, Johnston.
77	conchylega, M. Sars.	105
78	quadricuspis, G. O. Sars.	cirratulus, Delle Chiaje.
79	hyperborea, A. Hansen.	Chætopterus, Cuvier.
	Hyalinæcia, Malmgren.	106
80	tubicola, O. F. Müller.	insignis, Baird.
	Diopatra, Audouin and Edwards.	107
81	neapolitana, Delle Chiaje.	variopedatus, Renier.
	Eunice, Cuvier.	Cirratulus, Lamarck.
82	Harrassi, Aud. and Edw.	108
83	gigantea, Delle Chiaje.	cirratus, O. F. Müller.
84	purpurea, Grube.	109
85	siciliensis, Grube.	Audouinia, Quatrefages.
	Leodice, Savigny.	110
86	norvegica, Linné.	filigera, Delle Chiaje.
	Nereis, Linné.	Aricia, Savigny.
87	pelagica, Linné.	111
88	cultrifera, Grube.	Cuvieri, Audouin and Edwards.
89	Dumerillii, Audouin and Edwards.	112
90	diversicolor, O. F. Müller.	Kupfferi, Ehlers.
91	zonata, Malmgren.	113
92	Vaillantii, St. Joseph.	fœtida, Claparède.
	Ophiodromus, M. Sars.	114
93	vittatus, M. Sars.	norvegica, M. Sars.
		Scolophos, Blainville.
		115
		armiger, O. F. Müller.
		Naidonereis, Blainville.
		116
		quadricuspida, Fabricius.
		Ammotrypane, H. Rathke.
		117
		aulogastra, Rathke.
		Ophelia, Savigny.
		118
		radiata, Delle Chiaje.
		119
		limacina, Rathke.
		Polyopthalmus, Quatrefages
		120
		pictus, Dujardin.
		Travisia, Johnston.
		121
		Forbesii, Johnston.
		Siphonostoma, Otto.
		122
		diplocaetos, Otto.

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| | Flabelligera , M. Sars. | |
| 123 | affinis, M. Sars. | |
| | Stylaroides , Delle Chiaje. | |
| 124 | monilifer, Delle Chiaje. | |
| | Brada , Stimpson. | |
| 125 | villosa, Rathke. | |
| 126 | granulata, Malmgren. | |
| 127 | granulosa, A. Hansen. | |
| | Trophonia , Audouin and Edwards. | |
| 128 | plumosa, Rathke. | |
| 129 | glaуca, Malmgren. | |
| 130 | flabellata, M. Sars. | |
| 131 | affinis, Verrill. | |
| | Eumenia , Oersted | |
| 132 | crassa, Oersted. | |
| | Scalibregma , H. Rathke. | |
| 133 | inflatum, Rathke. | |
| 134 | parvum, A. Hansen. | |
| 135 | longisetosum, Theel. | |
| | Polyphesia , Quatrefages. | |
| 136 | crassa, Oersted. | |
| | Arenicola , Lamarck. | |
| 137 | marina, Linné. | |
| 138 | Grubei, Claparède. | |
| | Capitella , Blainville. | |
| 139 | capitata, Fabricius. | |
| | Notomastus , M. Sars. | |
| 140 | latericeus, M. Sars. | |
| | Dasybranchus , Grube. | |
| 141 | caducus, Grube. | |
| | Rhodine , Malmgren. | |
| 142 | Lovéni, Malmgren. | |
| | Nicomache , Malmgren. | |
| 143 | lumbricalis, Fabricius. | |
| | Praxilla , Malmgren. | |
| 144 | prætermissa, Malmgren. | |
| | Axiothea , Malmgren. | |
| 145 | catenata, Malmgren. | |
| | Maldane , Grube. | |
| 146 | biceps, M. Sars. | |
| 147 | Sarsi, Malmgren. | |
| | Owenia , Delle Chiaje. | |
| 148 | filiformis, Delle Chiaje. | |
| | Myriochele , Malmgren. | |
| 149 | Danielsseni, A. Hansen. | |
| | Pectinaria , Lamarck. | |
| 150 | belgica, Pallas. | |
| 151 | auricoma, O. F. Müller. | |
| 152 | granulata, Linné. | |
| 153 | hyperborea, Malmgren. | |
| | Lagis , Malmgren. | |
| 154 | Koreni, Malmgren. | |
| | Melinna , Malmgren. | |
| 155 | cristata, M. Sars. | |
| | Ampharete , Malmgren. | |
| 156 | Goësi, Malmgren. | |
| 157 | Grubei, Malmgren. | |
| | Amphicteis , Grube. | |
| 158 | Gunneri, M. Sars. | |
| 159 | curvipalea, Claparède. | |
| | Sabellides , H. M. Edwards. | |
| 160 | borealis, M. Sars. | |
| | Samatha , Malmgren. | |
| 161 | sexcirrata, M. Sars. | |
| | Amphitrite , O. F. Müller. | |
| 162 | cirrata, O. F. Müller. | |
| 163 | variabilis, Marenzeller. | |
| 164 | rubra, Risso. | |
| 165 | ornata, Verrill. | |
| | Terebella , Linné. | |
| 166 | nebulosa, Montagu = debilis, | |
| | Malmgren. | |
| | Lanice , Malmgren. | |
| 167 | conchylega, Pallas. | |
| | Nicolea , Malmgren. | |
| 168 | venustula, Montagu = zostericola, | |
| | Oersted. | |
| | Leprea , Malmgren. | |
| 169 | lapidaria, Linné = T. constrictor, | |
| | Montagu. | |
| | Pista , Malmgren. | |
| 170 | cristata, O. F. Müller. | |
| | Axonice , Malmgren. | |
| 171 | flexuosa, Grube. | |
| | Thelepus , Leuckart. | |
| 172 | cincinnatus, Fabricius. | |
| | Leucariste , Malmgren. | |
| 173 | arcticus, M. Sars. = albicans, | |
| | Malmgren. | |
| | Ereutho , Malmgren. | |
| 174 | Smithi, Malmgren. | |
| | Polycirrus , Grube. | |
| 175 | aurantiacus, Grube. | |
| | Grymæa , Malmgren. | |
| 176 | Bairdi, Malmgren. | |
| | Leprea , Malmgren. | |
| 177 | lapidaria, Linné = textrix, Malmgren. | |
| | Trichobranchus , Malmgren. | |
| 178 | glacialis, Malmgren. | |

	Terebellides, M. Sars.	Filograna, Oken.
179	Stroemii, M. Sars.	implexa, Berkeley.
	Artacama, Malmgren.	Salmacina, Claparède.
180	proboscidea, Malmgren.	ædificatrix, Claparède.
	Sabellaria, Lamarck.	Protula, Risso.
181	alveolata, Linné.	intestinum, Lamarck.
	Sabella, Linné.	Hydroïdes, Gunner.
182	penicillus, O. F. Müller = pavonia, Savigny.	200 norvegica, Gunner.
183	Fabricii, Kröyer = crassicornis, M. Sars.	201 uncinata, Philippi.
184	arenilega, Quatrefages.	Serpula, Linné.
	Branchiomma, Kölliker.	202 vermicularis, Ellis.
185	Köllikeri, Claparède.	Pomatocerus, Philippi.
186	vesiculosum, Claparède.	203 triquier, Linné.
	Potamilla, Malmgren.	Placostegus, Philippi.
187	Torelli, Malmgren.	204 tridentatus, J. C. Fabricius.
	Dasychone, M. Sars.	Ditrupa, Berkeley.
188	infarcta, Kröyer.	205 arietina, O. F. Müller.
189	lucullana, Delle Chiaje.	Apomatus, Philippi.
	Euchone, Malmgren.	206 globifer, Theel.
190	papillosa, M. Sars.	Chitinipoma, Levinson.
	Chone, Kröyer.	207 Fabricii, Levinson.
191	infundibuliformis, Kröyer.	Spirorbis, Daudin.
192	Duneri, Malmgren.	208 verruca, Fabricius.
	Spirographis, Viviani.	209 borealis, Daudin.
193	ventilabrum, Gmelin = Spallanzanii, Viviani.	210 Mörschi, Levinson.
	Othonia, Johnston.	211 affinis, Levinson.
194	Fabricii, O. F. Müller.	212 carinatus, Montagu.
	Myxicola, Koch.	213 granulatus, Linné.
195	infundibulum, Renier.	214 vitreus, Fabricius.
	Amphiglena, Claparède.	215 spirillum, Linné = lucidus, Montagu.
196	mediterranea, Leydig.	216 cancellatus, Fabricius.
		217 violaceus, Levinson.

XII.—CŒLENTERATA.

A.—HYDROZOA.

	Cordylophora, Allman.
1	lacustris, Allman.
	Clava, Gmelin.
2	multicaulis, Forskål.
3	squamata, Müller.
4	cornea, T. S. Wright.
5	leptostyla, Agassiz.
	Tubiclava, Allman.
6	lucerna, Allman.

	Merona, Norman.
7	cornucopiae, Norman.
	Corydendrium, Van Beneden.
8	parasiticum, Van Beneden.
	Coryne, Gaertner.
9	pusilla, Gaertner.
10	vermicularis, Hincks.
11	vaginata, Hincks.
12	fruticosa, Hincks.
13	nutans, Allman.

- Syncoryne**, Ehrenberg.
 14 eximia, Allman.
 15 mirabilis, Agassiz.
Gemmaria, M'Crady.
 16 implexa, Alder.
Dicoryne, Allman.
 17 conferta, Alder.
Garveia, Stethill Wright.
 18 nutans, S. Wright.
Wrightia, Allman.
 19 arenosa, Alder.
Heterocordyle, Allman.
 20 Conybearei, Allman.
Bourgainvillia, Lesson.
 21 ramosa, Van Beneden.
 22 muscus, Allman.
Perigonimus, M. Sars.
 23 repens, St. Wright.
 24 linearis, Alder.
 25 abyssi, G. O. Sars.
 26 multicornis, Levensen.
Eudendrium, Ehrenberg.
 27 ramosum, Linné.
 28 rameum, Pallas.
 29 capillare, Alder.
 30 arbuscula, S. Wright.
 31 insigne, Hincks.
 32 annulatum, Norman.
 33 vaginatum, Allman.
 34 racemosum, Cavolini.
 35 album, Nutting.
 36 rigidum, Allman.
Hydractinia, Van Beneden.
 37 echinata, Fleming.
Podocoryne, M. Sars.
 38 carnea, M. Sars.
 39 areolata, Alder.
Corynopsis, Allman.
 40 Alderi, Hodge.
Pennaria, Goldfuss.
 41 Cavolinii, Ehrenberg.
Halocordyle, Allman.
 42 tiarella, Ayres.
Cladocoryne, W. O. Rotch.
 43 floccosa, Rotch.
Myriothela, M. Sars.
 44 phrygia, Fabricius.
 45 Cocksii, Vigors.
Corymorpha, M. Sars.
 46 nutans, M. Sars.

- Corymorpha**, M. Sars.—Continued.
 47 uvaria, A. Schmidt.
Monocalus, Allman.
 48 grøenlandicus, Allman.
Tubularia, Linné.
 49 indivisa, Linné.
 50 larynx, Ell. and Sol.
 51 attenuata, Allman.
 52 simplex, Alder.
 53 humilis, Allman.
 54 bellis, Allman.
Ectopleura, Agassiz.
 55 Dumortieri, Van Beneden.
Clytia, Lamouroux.
 56 Johnstoni, Alder.
Obelia, Péron and Lesueur.
 57 geniculata, Linné.
 58 gelatinosa, Pallas.
 59 longissima, Pallas.
 60 dichotoma, Linné.
 61 plicata, Hincks.
Campanularia, Lamarck.
 62 volubilis, Linné.
 63 Hincksii, Alder.
 64 integra, Macgillivray.
 65 calyculata, Hincks.
 66 grøenlandica, Levensen.
 67 verticillata, Linné.
 68 flexuosa, Hincks.
 69 angulata, Hincks.
 70 neglecta, Alder.
 71 gigantea, Hincks.
Gonothyraea, Allman.
 72 Lovéni, Allman.
 73 gracilis, M. Sars.
 74 hyalina, Hincks.
Opercularella, Hincks.
 75 lacerata, Johnston.
Lafoeina, M. Sars.
 76 maxima, Levensen.
 77 tenuis, M. Sars.
Lafoea, Lamouroux.
 78 dumosa, Fleming.
 79 fruticosa, M. Sars.
 80 grandis, Hincks.
 81 capillaris, G. O. Sars.
Hebella, Allman.
 82 pocillum, Hincks.
Lichorella, Allman.
 83 helicoides, Allman.

Calycella, Hincks.		Sertularia, Linné.—Continued.
84 syringa, Linné.	120	rugosa, Linné.
85 producta, G. O. Sars.	121	tenella, Alder.
Halisiphonia, Allman.	122	Dijmphna, Bergh.
86 Allmani, Norman, n. sp.*	123	fusiformis, Hincks.
Stegapoma, Levensen.		Diphasia, Agassiz.
87 fastigiatum, Alder.	124	rosacea, Linné.
88 plicatile, G. O. Sars.	125	attenuata, Hincks.
Cuspidella, Hincks.	126	elegans, G. O. Sars.
89 humilis, Hincks.	127	fallax, Johnston.
90 grandis, Hincks.	128	pinaster, Ell. and Sol.
Acryptolaria, Norman.	129	pinnata, Pallas.
91 exserta, Busk.	130	alata, Hincks.
Salacia, Lamouroux.	131	tamarisca, Linné.
92 abietina, M. Sars.	132	coronifera, Allman.
Filellum, Hincks.		Hydrallmannia, Hincks.
93 serpens, Hassall.	133	falcata, Linné.
Scapus, Norman.		Selaginopsis.
94 tubulifer, Norman.	134	mirabilis, Verrill.
Coppinia, Hassall.	135	fusca, Johnston.
95 arcta, Dalzell.		Thuiaria, Fleming.
Halecium, Oken.	136	argentea, Ell and Sol.
96 halecinum, Linné.	137	cupressina, Ell. and Sol.
97 Beanii, Johnston.	138	thuia, Linné.
98 labrosum, Alder.	139	lonchitis, Ell. and Sol.
99 tenellum, Hincks.	140	hippuris, Allman.
100 plumosum, Hincks.	141	laxa, Allman.
101 geniculatam, Norman.	142	carica, Levensen.
102 sessile, Norman.	143	alternitheca, Levensen.
103 boreale, Lorenz.		Aglaophenia, Lamouroux.
104 curvicaule, Lorenz.	144	pluma, Linné.
105 muricatum, Ell. and. Sol.	145	var. b., Hincks.
Haloikema, G. C. Bourne.	146	tubulifera, Hincks.
106 Lankesteri, G. C. Bourne.	147	octodontia, Heller.
Sertularia, Linné.	148	Kirchenpaueri, Heller.
107 pumila, Linné.		Lytocarpia, Kirchenpauer.
108 gracilis, Hassall.	149	radicillata, G. O. Sars.
109 tenera, G. O. Sars.	150	formosa, Allman.
110 operculata, Linné.	151	myriophyllum, Linné.
111 filicula, Ell. and Sol.		Cladocarpus, Allman.
112 abietina, Linné.	152	cornutus, Verrill.
113 polyzonias, Linné.	153	bicuspis, G. O. Sars.
114 var. gigantea, Hincks.		Gymnangium, Hincks.
115 Gayi, Lamouroux.	154	pennatula, Lamouroux.
116 var. robusta, Allman.	155	integrum, G. O. Sars.
117 quadridentata, Hincks.		Plumularia, Lamarck.
118 pinnata (Clark), Marenz.	156	pinnata, Lamarck.
119 tricuspidata, Alder.	157	frutescens, Lamarck.
	158	setacea, Ellis.

* See Allman Report, *Challenger* Hydrozoa, Pt. II,
p. 33.

Plumularia, Lamarck.—Continued.

- 159 *Catharina*, Johnston.
 160 *halecioides*, Alder.
 161 var. *pinnatifrons*, Heller.
 162 *gracillima*, G. O. Sars.
 163 *echinulata*, Lamarck.
 164 *similis*, Hincks.
Monopyxis, Ehrenberg.
 165 *obliqua*, Johnston.
Heteropyxis, Heller.
 166 *ramosa*, Lamouroux.
 167 *norvegica*, G. O. Sars.
Antennularia, Lamarck.
 168 *antennina*, Lamouroux.
Antennella, Allman.
 169 *siliquosa*, Hincks.
 170 *gracilis*, Allman.
- Medusæ.*
- Steenstrupia, Forbes.**
 171 *rubra*, Forbes.
Amphicodon, Haeckel.
 172 *amphipleurus*, Haec.
Pandæa, Lesson.
 173 *conica*, Quoy and Gai.
Tiara, Lesson.
 174 *pileata*, Forsk.
Margelis, Steenstrup.
 175 *ramosa*, L. Agassiz.
Rathkea, Brandt.
 176 *octopunctata*, M. Sars.
 177 *fasciculata*, Pér. and Les.
Thaumantias, Eschscholtz.
 178 *hemisphaerica*, Esch.
 179 *Thompsoni*, Forbes.
Laodice, Lesson.
 180 *cruciata*, Forskål.
Obelia, Péron and Lesueur.
 181 *lucifera*, Forbes.
Tiaropsis, L. Agassiz.
 182 *diademata*, L. Agassiz.
Euchilotia, MacCrady.
 183 *pilosella*.
Phialidium, Leuckart.
 184 *phosphoricum*, Pér. and Lesu.=
 variabile, Haeck.
Mitrocoma, Haeckel.
 185 *Annce*, Haeck.
Saphenia, Eschscholtz.
 186 *mirabilis*, Haec.

Irene, Eschscholtz.

- 187 *pellucida*, Will.
Olindias, Fritz Müller.
 188 *phosphorea*, Delle Ch.=O. Müller,
 Haeck.
Rhopalonema, Gegenbaur.
 189 *velatum*, Geg.
Liriope, Lesson.
 190 *cerasiformis*, Lesson.
Carmarina, Haeckel.
 191 *hastata*, Haec.
Cunina, Eschscholtz.
 192 *rhododactyla*, Haec.
Solmundella, Haeckel.
 193 *mediterranea*, J. Müll.
Solmoneta, Haeckel.
 194 *flavescens*, Köll.
Charybdea, Péron and Lesueur.
 195 *marsupialis*, Péron.
Nausithoe, Kölliker.
 196 *punctata*, Kölliker.
Pelagia, Péron and Lesueur.
 197 *noctiluca*, Forskål.
Chrysaora, Péron and Lesueur.
 198 *isoceles*, Eschscholtz.
Cyanea, Péron and Lesueur.
 199 *imporcata*, Norman.
 200 *Lamarckii*, Péron and Lesueur.
Pilema, Haeckel.
 201 *pulmo*, Linné.
Cotylorhiza, Agassiz.
 202 *tuberculata*, Eschscholtz.
- Ctenophora.*
- Hormiphora, Agassiz.**
 203 *plumosa*, M. Sars.
Lampetia, Chun.
 204 *Pancerina*, Chun.
Euchlora, Chun.
 205 *rubra*, Kölliker.
Callianira, Péron.
 206 *bialata*, Delle Chiaje.
Lesueuria, H. M. Edwards.
 207 *vitrea*, H. M. Edwards.
Bolina, C. H. Mertens.
 208 *hydatina*, Chun.
Cestum, Lesson.
 209 *Veneris*, Lesson.

Beroe, Brown.

- 210 ovata, Eschscholtz.
211 Forskälii, H. M. Edwards.

Siphonophora.

- Velella, Lamarck.
212 spirans, Forskäl.
Muggiæa, Busch.
213 atlantica, Cunningham.
Praya, Blainville.
214 cymbiformis, Delle Chi.
Lilyopsis, Chun.
215 diphyes, Chun.
Diphyes, Cuvier.
216 Sieboldi, Köll.
Calpe, Quoy and Gaimard.
217 pentagona, Quoy and Gai.
Hippopodius, Quoy and Gaimard.
218 gleba, Leuckart.
Apolemia, Eschscholtz.
219 uvaria, Lesson.
Agalmopsis, M. Sars.
220 Sarsii, Köll.
Halistema, Huxley.
221 rubrum, Vogt.
Forskalia, Kölliker.
222 contorta, H. M. Edw.
223 Edwardsii, Köll.
Physophora, Forskäl.
224 hydrostatica, Forskäl.
Rhizophysa, Péron and Lesueur.
225 filiformis, Forskäl.
Physalia, Lamarck.
226 caravalla, O. F. Müll.

Hydrocorallinæ.

- Pliobothrus, Pourtalès.
227 symmetricus, Pourtalès.
Allopora, Ehrenberg.
228 oculina, Ehrenberg.
Stylaster, J. E. Gray.
229 gemmascens, H. M. Edw.

Calycozoa.

- Depastrum, Gosse.
230 cyathiforme, M. Sars.
Haliclystus, Clark.
231 octoradiatus, Lamarck.
Lucernaria, O. F. Müller.
232 quadricornis, O. F. Müll.

B.—ACTINOZOA.*Alcyonaria.**Clavularia, Quoy and Gaimard.*

- 233 arctica, Koren and Danielssen.
234 borealis, Koren and Danielssen.

Sympodium, Ehrenberg.

- 235 coralloides, Pallas.
236 abyssorum, Danielssen.

Sarcodictyon, E. Forbes.

- 237 catenata, E. Forbes.
238 albicolor, Norman.

Alcyonium, Linné.

- 239 digitatum, Linné.
240 palmatum, Pallas.

- 241 rubiforme, Dan.

Paralcyonium, Edwards and Haime.

- 242 elegans, H. M. Edwards.

Gersemia, Marenzeller.

- 243 Danielsseni, Marenzeller.

Duva, Koren and Danielssen.

- 244 flava, Danielssen.
245 rosea, Koren and Danielssen.

Voeringia, Danielssen.

- 246 fruticosa, Danielssen.
247 capitata, Danielssen.

- 248 abyssicola, Danielssen.

Ammothea, Lamarck.

- 249 Lutkeni, Marenzeller.
250 arctica, Lütken.

- 251 flavescens, Danielssen.

Barathrobius, Danielssen.

- 252 digitatus, Dan.

Sarcophyton, M. Sars.

- 253 purpureum, Koren and Dan.

Paragorgia, H. M. Edwards.

- 254 arborea, Linné.

- 255 Johnsoni, J. E. Gray *M.*

Anthothela, Verrill.

- 256 grandiflora, M. Sars.

- 257 nodosa, Koren and Danielssen.

Anthomastus, Verrill.

- 258 grandiflorus, Verrill.

Acanthogorgia, Verrill.

- 259 armata, Verrill.

- 260 Grayi, J. G. Johnson *M.*

Gorgonella, Valenciennes.

- 261 sarmentosa, Lamarck.

Gorgonia, Linné.

- 262 *verrucosa*, Pallas.
 263 *Cavolini*, Kölliker.
 264 *profundi*, Kölliker.

Muricea, Lamouroux.

- 265 *placomus*, Linné.
 266 *chamæleon*, Koch.
 267 *flavescens*.
 268 *echinata*, Koch.

Primnoa, Lamouroux.

- reseda, Pallas.
 269 *Ellisii*, Koch.
 270 *verticillata*, Pallas.

Mopsea, Lamouroux.

- 271 *elongata*, Esper.

Acanella, E. J. Gray.

- 272 *Normani*, Verrill.

Corallium, Lamarck.

- 273 *rubrum*, Linné.

Pennatulida.**Pteroeides, Herklots.**

- 274 *griseum*, Bohadsch.
 275 var. *longispinosum*, Köll.

Pennatula, Linné.

- 276 *phosphorea*, Lin.
 277 var. *angustifolia*, Köll.
 278 var. *lancifolia*, Köll.
 279 var. *aculeata*, Köll.
 280 var. *candida*, Marsh and Ford.
 281 *distorta*, Kor. and Dan.
 282 var. *aculeata*, Kor. and Dan.

Ptilella, J. E. Gray.

- 283 *grandis*, Ehrenberg.

Virgularia, Lamarck.

- 284 *mirabilis*, O. F. Müll.

- 285 *affinis*, Kor. and Dan.

- 286 *grandiflora*, Verrill.

Svava, Koren and Danielssen.

- 287 *glacialis*, Kor. and Dan.
 288 var. *alba*, Kor. and Dan.

Dübenia, Koren and Danielssen.

- 289 *abyssorum*, Kor. and Dan.

- 290 *elegans*, Kor. and Dan.

Pavonaria, Kölliker.

- 291 *finmarchica*, M. Sars.

Funiculina, Linné.

- 292 *quadrangularis*, Blain.

Halipterus, Kölliker.

- 293 *Christii*, Kor. and Dan.

Kophobelemnion, Asbjörnsen.

- 294 *stelliferum*, O. F. Müll.
 295 var. *durum*, Köll.
 296 Möbii, Kor. and Dan.
 297 Leuckartii, Köll.

Cladiscus, Koren and Danielssen.

- 298 Köllikeri, Dan. and Kor.

Deutocaulon, Marshall and Fowler.

- 299 *hystricis*, Marsh. and Fow.

Protoptilum, Kölliker.

- 300 Thomsoni, Köll.

Leptoptilum, Kölliker.

- 301 gracile, Köll.

Renilla, Lamarck.

- 302 reniformis, Pallas.

Stylobolemnon, Kölliker.

- 303 pusillum, Philippi.

Veretillum, Cuvier.

- 304 cynomorium, Pallas.

Antipatharia.**Leiopathes, J. E. Gray.**

- 305 glaberrima, Esper.

Antipathes, Pallas.

- 306 (?) ænea, G. V. Koch.

Antipathella, G. Brook.

- 307 subpinnata, Ell. and Soll.

- 308 gracilis, Gray M.

Aphanipathes, G. Brook.

- 309 Wollastoni, G. E. Gray M.

- 310 (?) arctica, Lütken.

Stichopathes, G. Brook.

- 311 gracilis, J. E. Gray M.

Parantipathes, G. Brook.

- 312 larix, Esper.

Zoantharia.**Anemonia, Risso.**

- 313 sulcata, H. M. Edw.

Actinia, Linné.

- 314 equina, Lin.

- 315 Cari, Delle Chi.

Bulocera, Gosse.

- 316 Tuediae, Johnston.

Bunodes, Gosse.

- 317 gemmaceus, Gosse.

Tealia, Gosse.

- 318 crassicornis, O. F. Müll.

Chondractinia, Lütken.

- 319 digitata, O. F. Müll.

- Chondractinia**, Lütken.—continued.
- 320 nodosa, Fabr.
 - 321 callosa, Verrill.
 - Hormathia**, Gosse.
 - 322 Margaritae, Gosse.
 - Actinauge**, Verrill.
 - 323 nodosa, Verrill.
 - Alicia**, J. G. Johnson.
 - 324 Costæ, Panceri.
 - Cereactis**, Andres.
 - 325 aurantiaca, Delle Chi.
 - Paranthus**, Andres.
 - 326 chromatoderus, Andres.
 - Cereus**, Oken.
 - 327 pedunculatus, Pennant = Sargartia
 bellis, Ell. and Sol.
 - Metridium**, Oken.
 - 328 senilis, Linné = Actinoloba dianthus,
 Ellis.
 - 329 marginatum, Lesueur.
 - Adamsia**, E. Forbes.
 - 330 palliata, Bohadsch.
 - 331 Rondeletii, Delle Chi.
 - Gephyra**, G. O. Koch.
 - 332 Dohrnii, Koch.
 - Phellia**, Gosse.
 - 333 abyssicola, Kor. and Dan.
 - Chitonactis**, Fischer.
 - 334 coronata, Gosse.
 - Halcampa**, Gosse.
 - 335 producta, Stimpson.
 - Andvakia**, Danielssen.
 - 336 mirabilis, Dan.
 - Edwardsia**, Quatrefages.
 - 337 Claparedi, Panceri.
 - 338 Andresi, Dan.
 - Mardoell**, Danielssen.
 - 339 Erdmanni, Dan.
 - Epizoanthus**, J. E. Gray.
 - 340 incrustatus, Düb. and Kor. =
 americanus, Verrill.
 - 341 var., Barleei, Gray.
 - 342 arenaceus, Delle Ch.
 - 343 Couchii, Johnst.
 - 344 norvegicus, Kor and Dan.
 - 345 paguriphilus, Verrill.
 - 346 glacialis, Dan.
 - 347 arcticus, M. Sars.
- 348 axinellae, O. Schmidt.
 - 349 anguicoma, Norman.
 - 350 Dixoni, Hadd. and Shack.
 - Cerianthus**, Delle Chiaje.
 - 351 solitarius, Rapp.
 - 352 membranaceus, Spall.
- Madreporaria.*
- Caryophyllia**, Lamarck.
 - 353 cyathus, Lamarck.
 - 354 Smithi, Stokes and Brod.
 - 355 Clavus, Scacchi.
 - 356 communis, Moseley.
 - 357 profunda, Moseley *M.*
 - Rhizotrochus**, M. Edw. and Haime.
 - 358 affinis, Duncan.
 - Blastosmilia**, Duncan.
 - 359 fecunda, Pourtalés (?) *M.*
 - Deltocyathus**, M. Edw. and Haime.
 - 360 Agassizii, Pourtalès.
 - Sphenotrochus**, M. Edw. and Haime.
 - 361 Macandrewianus, M. Edw. and Haime.
 - Guynia**, Duncan.
 - 362 annulata, Duncan.
 - Flabellum**, Lesson.
 - 363 lacinulatum, Ell. and Sol.
 - Thecopsmmia**.
 - 364 socialis, Pourtalès.
 - Lophophelia**, M. Edw. and Haime.
 - 365 prolifera, Pallas.
 - Amphihelia**, M. Edw. and Haime.
 - 366 oculata, Linné.
 - 367 ramea, Müll.
 - Madracis**, M. Edw. and Haime.
 - 368 asperula, M. Edw. and Haime. *M.*
 - Cladocora**, Ehrenberg.
 - 369 cespitosa, Linné.
 - Astrangia**, M. Edw. and Haime.
 - 370 Danae, M. Edw. and Haime.
 - Balanophyllea**, S. Wood.
 - 371 regia, Gosse.
 - Dendrophyllea**, Blainville.
 - 372 ramea, Linné.
 - Astroides**, Blainville.
 - 373 calycularis, Pallas.



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